CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Office, New York, N. Y., Consol. Realty Co., having plans prepared, $8,000,000.

Club, New York, N. Y., Cinema Club of America having plans prepared, $5,000,000.

Office and theatre, Toledo, O., Publix Theatre Corp. having plans prepared, $5,000,000.

Loft, New York, N. Y., Kymsen Building Corp. having preliminary plans prepared, $4,000,000.

Infirmary, Jackson, Miss., Mississippi Insane Hospital plans group of buildings, $2,500,000.

Telephone lines and buildings, Indiana. Indiana Bell Telephone Co. plans line extension and buildings, $2,125,000.

Hotel, Chicago, Ill., S. Cole et al having plans prepared, $1,750,000.

Hospital, Pittsburgh, Pa., Montefiore Hospital Assn. having plans prepared, $1,500,000.

Hotel, San Mateo, Calif., M. G. McCann had plans prepared, $1,500,000.

Apartment, Beverly Hills, Calif., W. G. McCarty had plans prepared, $1,500,000.

Apartment, Chicago, Ill., K. Rosenthal having plans prepared, $1,225,000.

Bids Wanted

Club house, New York, N. Y., National Town & Country Club soon takes bids, $5,000,000.

Hall of Records, Newark, N. J., Essex Co. Bd. Freeholders soon takes bids on heating and ventilating.

Hotel, Jacksonville, Fla., Vanderbilt Hotel Corp. soon takes bids, $2,000,000.

Theatre, Yonkers, N. Y., J. E. Andrus soon takes bids, $1,000,000.

Contracts

Subway, New York, N. Y., Bd. Transportation to Moranti & Raymond, $4,160,322.

Hall of Records, Newark, N. J., Essex Co. Bd. Freeholders to Niewenhouse Co., $2,158,925.

Apartment, Pittsburgh, Pa., The Fifth Ave. Apartment Corp. to Boyle Robertson Constr. Co., $1,500,000.

Theatre and store, Chicago, Ill., Marks Bros. to Longacre Eng. & Constr. Co., $1,500,000.

Street Improvement, Los Angeles, Calif., Bd. Pub. Wks. to North Pacific Constr. Co., $1,034,885.

Plant, Douglas, Ariz., Phelps-Dodge Corp. to Dwight P. Robinson, N. Y. C., $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Mar. 19	Holyoke, Mass.	Mar. 11
Mar. 19	Cleveland, O.	Mar. 11
Mar. 20	Belmont, N. C.	Mar. 18
Mar. 20	Roslyn, N. Y. Adv. Mar. 11 and 18.	Mar. 18
Mar. 22	Yonkers, N. Y. Adv. Mar. 4 to 18.	Mar. 4
Mar. 22	St. Louis, Mo.	Mar. 18
Mar. 23	Detroit, Mich.	Mar. 11
Mar. 23	Long Beach, Miss. Adv. Mar. 11 and 18.	Mar. 11
Mar. 23	Akron, O.	Mar. 11
Mar. 23	Cincinnati, O.	Mar. 18
Mar. 23	Milwaukee, Wis.	Mar. 18
Mar. 23	Chicago, Ill.	Mar. 18
Mar. 26	East Paterson, N. J.	Feb. 18
Mar. 26	Preston, Md. Adv. Mar. 4 and 18.	Mar. 4
Mar. 26	Wash., D. C.	Mar. 4
Mar. 26	Wash., D. C.	Mar. 11
Mar. 26	Marshfield, Wis.	Mar. 18
Mar. 29	Waite Park, Minn.	Mar. 11
Mar. 29	Mankato, Minn.	Mar. 18
Mar. 29	Oneida Castle (mail Oneida), N. Y. Adv. Mar. 18.	Mar. 18
Mar. 30	Tampa, Fla.	Mar. 11
Mar. 31	Warsaw, Ill.	Mar. 4
Mar. 31	Berea, O. Adv. Mar. 18.	Mar. 18
Mar. 31	Decatur, Ill. Adv. Mar. 11 and 18.	Mar. 11
Apr. 5	Claysville, Pa.	Mar. 18
Apr. 5	Athens, N. Y. Adv. Mar. 18.	Mar. 18
Apr. 6	St. Louis, Mo.	Mar. 18
Apr. 12	New Britain, Conn. Adv. Mar. 18.	Mar. 18

Sewers

Mar. 23	Paris, Ark.	Mar. 11
Mar. 23	Chicago, Ill.	Mar. 18
Mar. 23	Toronto, Ont.	Mar. 18
Mar. 23	Alice, Tex.	Mar. 18
Mar. 23	Morgantown, W. Va.	Mar. 18
Mar. 23	St. Paul, Minn.	Mar. 18
Mar. 23	Milwaukee, Wis.	Mar. 18
Mar. 24	Baton Rouge, La.	Mar. 18
Mar. 24	Brooklyn Heights (mail Independence), O.	Mar. 18
Mar. 24	Kansas City, Mo.	Mar. 4
Mar. 25	Sioux Falls, S. D.	Mar. 4
Mar. 25	New York City, N. Y.	Mar. 18
Mar. 25	Longview, Wash.	Mar. 18
Mar. 26	Seattle, Wash.	Mar. 18
Mar. 31	Phila., Pa.	Mar. 18
Apr. 2	Kissimmee, Fla. Adv. Mar. 18.	Mar. 18
Apr. 3	Ashtabula, O.	Mar. 18
Apr. 5	Coatesville, Pa.	Mar. 11
Apr. 7	Rye, N. Y. Adv. Mar. 11 and 18.	Mar. 11
Apr. 8	Bromley, Ky. Adv. Mar. 18.	Mar. 18
Apr. 12	Buffalo, N. Y. Adv. Mar. 18.	Mar. 18

Bridges

Mar. 19	Ohio	Mar. 11
Mar. 22	Millgrove (Roaring Creek P. O.), Pa.	Mar. 18
Mar. 23	Louisiana	Mar. 11
Mar. 23	Texas	Mar. 11
Mar. 25	Galveston, Tex.	Mar. 18
Mar. 26	Dayton, O.	Mar. 18
Mar. 29	San Antonio, Tex.	Mar. 11
Mar. 29	Camden, N. J. Adv. Mar. 11 and 18.	Mar. 11
Mar. 29	California	Mar. 18
Mar. 30	Tampa, Fla.	Feb. 25
Mar. 30	Louisiana	Feb. 25
Mar. 30	Poughkeepsie, N. Y. Adv. Mar. 4 to 18.	Mar. 4
Mar. 30	Louisiana	Mar. 4
Mar. 30	North Carolina	Mar. 18
Mar. 31	Illinois	Mar. 18
Apr. 2	Georgia	Mar. 18
Apr. 5	New Jersey Adv. Mar. 18.	Mar. 18
Apr. 6	Gulfport, Miss.	Mar. 18
Apr. 6	Jones, La.	Mar. 4
Apr. 6	St. Louis, Mo.	Mar. 11
Apr. 22	North Dakota Adv. Mar. 18.	Mar. 18

Dams

Apr. 6	New Brunswick, N. J. Adv. Mar. 18.	Mar. 18

Excavation, Drainage, Irrigation, Levees, River and Harbor

Mar. 19	British Columbia	Mar. 11
Mar. 20	Nebraska	Mar. 11
Mar. 20	Crawfordsville, Ind.	Mar. 18
Mar. 22	Marianna, Ark.	Mar. 18
Mar. 24	Santa Rosa, Calif.	Mar. 18
Mar. 24	Baltimore, Md.	Mar. 18
Mar. 25	Hammond, La.	Mar. 4
Mar. 26	Shreveport, La.	Mar. 11
Apr. 5	Peru, Ind.	Mar. 4
Apr. 8	New York City, N. Y. Adv. Mar. 11 and 18.	Mar. 11
Apr. 15	Albany, N. Y. Adv. Mar. 18.	Mar. 18

Streets and Roads

Mar. 19	Ohio	Mar. 11
Mar. 19	Virginia	Mar. 11
Mar. 19	Cincinnati, O.	Mar. 11
Mar. 20	Harrison, N. Y.	Mar. 18
Mar. 22	New Jersey	Mar. 4
Mar. 22	Ontario	Mar. 11
Mar. 22	Texas	Mar. 11
Mar. 22	Dayton, O.	Mar. 11
Mar. 22	Winona, Minn.	Mar. 18
Mar. 22	Beloit, Wis.	Mar. 18
Mar. 23	Larned, Kan.	Mar. 4
Mar. 23	Pennsylvania	Feb. 25
Mar. 23	Bastrop, La.	Mar. 11
Mar. 23	Sigourney, Ia.	Mar. 11
Mar. 23	Williamson, W. Va.	Mar. 11
Mar. 23	Louisiana	Mar. 11
Mar. 23	Indiana	Mar. 11
Mar. 23	Elkhart, Ind.	Mar. 11
Mar. 23	North Dakota	Mar. 18
Mar. 23	Michigan	Mar. 18
Mar. 23	Monona, Ia.	Mar. 18
Mar. 23	Winterset, Ia.	Mar. 18
Mar. 23	Stillwater, Okla.	Mar. 18
Mar. 23	Wenona, Ill.	Mar. 18
Mar. 23	Towson, Md.	Mar. 18
Mar. 23	Chicago, Ill.	Mar. 18
Mar. 23	Sylva, N. C.	Mar. 18
Mar. 24	Lake Forest, Ill.	Mar. 18
Mar. 24	Smithfield, N. C.	Mar. 11
Mar. 24	Holton, Kan.	Mar. 4
Mar. 24	North Dakota	Mar. 11
Mar. 24	Hastings, Minn.	Mar. 11
Mar. 24	Uniontown, Pa.	Mar. 18
Mar. 24	Cleveland, O.	Mar. 18
Mar. 24	Warsaw, Ind.	Mar. 18
Mar. 24	Clayton, Mo.	Mar. 18
Mar. 25	Florida	Feb. 18
Mar. 25	Biloxi, Miss.	Mar. 11
Mar. 25	Windsor, N. C.	Mar. 18
Mar. 25	Michigan	Mar. 18
Mar. 25	Pasco, Wash.	Mar. 18
Mar. 25	Wisconsin	Mar. 18
Mar. 25	Wenatchee, Wash.	Mar. 18
Mar. 25	New York City, N. Y.	Mar. 18
Mar. 26	Hays, Kan.	Mar. 4
Mar. 26	Huntington, W. Va.	Mar. 11
Mar. 26	North Dakota	Mar. 11
Mar. 26	Michigan	Mar. 18
Mar. 26	Idaho	Mar. 18
Mar. 26	Wisconsin	Mar. 18
Mar. 27	Hoxie, Kan.	Mar. 11
Mar. 27	Montefano, Wash.	Mar. 18
Mar. 29	Oskaloosa, Kan.	Mar. 4
Mar. 29	Los Angeles, Calif.	Mar. 18
Mar. 29	Arizona	Mar. 18
Mar. 29	Cedar Rapids, Ia.	Mar. 18
Mar. 29	Milan, Mo.	Mar. 18
Mar. 29	San Diego, Calif.	Mar. 18
Mar. 30	Ottawa, Kan.	Mar. 4
Mar. 30	Washington	Mar. 18
Mar. 30	St. Louis, Mo.	Mar. 18
Mar. 30	North Carolina	Mar. 18
Mar. 30	North Dakota	Mar. 18
Mar. 30	Maryland Adv. Mar. 18.	Mar. 18
Mar. 31	Erie, Kan.	Mar. 4
Mar. 31	North Dakota	Mar. 18
Mar. 31	New Jersey Adv. Mar. 18.	Mar. 18

See proposed advertising on page 126, Advertising Section

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

Laying 36-in. c. i. Water Mains With Leadite Joints

Good Pipe Joints

Has it occurred to you why so many water works men are using Leadite for making joints in all sizes of cast iron water mains?

There are many sound reasons.

The most important reason is that experience has proven Leadite joints are good joints and improve with age.

The other reasons relate to saving in the cost of material and labor.

Leadite facilitates rapid completion of the work.

Leadite saves money from every angle of pipe laying.

Anyone can make Leadite joints; Leadite is very easy and simple to handle.

Yarn the joint, pour it full of molten Leadite, and the joint is finished.

If you have never tried Leadite, do not pass up a good thing without investigating it.

Give Leadite a trial.

Leadite resists electrolysis.

Leadite does not corrode or rust.

Leadite has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with Leadite are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking Material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close	See Eng. News-Record
Mar. 31	Illinois ..... Mar. 18
Mar. 31	Knoxville, Tenn. ..... Mar. 18 Adv. Mar. 18.
Mar. 31	Burlington, Wis. ..... Mar. 18
Mar. 31	Tabor, N. C. ..... Mar. 18
Mar. 31	North Dakota ..... Mar. 18
Mar. 31	Unionville, Mo. ..... Mar. 18
Apr. 1	Oakhurst, N. J. ..... Mar. 18 Adv. Mar. 18.
Apr. 1	North Dakota ..... Mar. 18
Apr. 2	Iola, Kan. ..... Mar. 11
Apr. 2	North Dakota ..... Mar. 18
Apr. 2	Georgia ..... Mar. 18
Apr. 5	Coatesville, Pa. ..... Mar. 11
Apr. 5	Martinez, Calif. ..... Mar. 18
Apr. 6	Auburn, Ind. ..... Mar. 18
Apr. 6	Newton, Kan. ..... Mar. 18
Apr. 6	Winona, Miss. ..... Mar. 11
Apr. 6	Louisiana ..... Mar. 11
Apr. 6	St. Louis, Mo. ..... Mar. 18
Apr. 6	Pennsylvania ..... Mar. 18 Adv. Mar. 18.
Apr. 6	North Dakota ..... Mar. 18
Apr. 6	Indiana ..... Mar. 18
Apr. 6	Vincennes, Ind. ..... Mar. 18
Apr. 7	Pennsylvania ..... Mar. 18 Adv. Mar. 18.
Apr. 8	Winfield, Kan. ..... Mar. 11
Apr. 9	North Dakota ..... Mar. 18
Apr. 12	Kentucky ..... Mar. 11
Apr. 12	Akron, O. ..... Mar. 11
Apr. 12	Kentucky ..... Mar. 18
Apr. 13	Louisiana ..... Mar. 18
Apr. 15	Birmingham, Ala. ..... Mar. 18
Apr. 15	Birmingham, Ala. ..... Mar. 11
Apr. 15	Tarrant City, Ala. ..... Mar. 18
Apr. 20	Birmingham, Ala. ..... Mar. 11

Buildings—Commercial

Mar. 20	West Springfield (br. Springfield), Mass.	Mar. 4
Mar. 20	Fairfield, Ala.	Mar. 11
Mar. 22	Arapaho, Okla.	Mar. 11
Mar. 22	Williamsport, Pa.	Mar. 18
Mar. 22	Sykesville, Md.	Mar. 11
Mar. 24	Marquette, Mich.	Mar. 18
Mar. 24	Durham, N. C.	Mar. 18
Mar. 25	Morgantown, W. Va.	Mar. 18
Mar. 25	Anniston, Ala.	Mar. 4
Mar. 25	Chicago, Ill.	Mar. 18
Mar. 26	Charleroi, Pa.	Mar. 18
Mar. 29	Chicago, Ill.	Mar. 11
Mar. 30	Allentown, Pa.	Mar. 18
Mar. 31	Mobile, Ala. ..... Adv. Mar. 11 and 18.	Mar. 11
Apr. 1	Greenville, Miss.	Mar. 18
Apr. 1	Gulfport, Miss.	Mar. 4
Apr. 1	Lakewood (br. Cleveland), O.	Feb. 11
Apr. 1	Moline, Ill.	Jan. 14
Apr. 1	Youngstown, O.	Dec. 31
Apr. 6	Fresno, Calif.	Mar. 18

Buildings—Industrial

Apr. 8	Rome, N. Y. ..... Adv. Mar. 18.	Mar. 18

Buildings—Educational, Religious

Mar. 19	Dayton, O.	Feb. 25
Mar. 20	Melrose (Ind. br. Boston), Mass.	Mar. 18
Mar. 22	East Cleveland (Cleveland P. O.), O.	Mar. 4
Mar. 22	Berwick, Pa.	Mar. 18
Mar. 23	Hillside, Ill.	Mar. 11
Mar. 23	Ferndale (Br. Detroit), Mich.	Mar. 11
Mar. 23	Florida	Mar. 11
Mar. 24	New Brunswick, N. J.	Mar. 11
Mar. 24	San Francisco, Calif.	Mar. 18
Mar. 25	Omaha, Neb.	Mar. 18
Mar. 26	Nutley, N. J. (br. Newark).	Mar. 11
Mar. 26	Cliffside Park (mail Cliffside), N. J.	Mar. 11
Mar. 26	Greensburg, Ind	Mar. 18
Mar. 26	Lincoln, Neb.	Mar. 18
Mar. 29	Fowler, Ind.	Mar. 11
Mar. 30	Aberdeen, S. D.	Mar. 18
Mar. 30	Corning, N. Y.	Mar. 18
Apr. 1	Duluth, Minn.	Mar. 18
Apr. 6	Hazelton, Pa.	Mar. 18
Apr. 14	Fordson (Detroit P. O.), Mich.	Mar. 4

Federal Government Work

Mar. 22	Remodeling — Lebanon, Pa.	Mar. 11
Mar. 22	Foundations—Dayton, O.	Feb. 25
Mar. 23	Vestibule, etc. — Lima, O.	Mar. 11
Mar. 23	Deep Well—Northport, N. Y.	Mar. 11
Mar. 24	Vestibule, etc.—Joplin, Mo.	Mar. 11
Mar. 24	Ash Handling Equipment — Great Lakes (br. Waukegan), Ill.	Mar. 4
Mar. 25	Storehouse—Baltimore, Md.	Mar. 11
Mar. 25	Roadway—Florence, Ala. Adv. Mar. 4 to 18.	Mar. 4

Bids close	See Eng. News-Record
Mar. 25	Ejector Station—Staten Island, N. Y. ..... Mar. 11
Mar. 26	Remodeling — Torrington, Conn. ..... Mar. 11
Mar. 27	Remodeling—Fort Wayne, Ind. ..... Mar. 4
Mar. 29	Gates—Denver, Colo. ..... Mar. 4
Mar. 29	Vestibule—Lorain, O. ..... Mar. 11
Mar. 31	Remodeling—Lynn, Mass. ..... Mar. 11
Mar. 31	Barges—St. Louis, Mo. ..... Mar. 11
Mar. 31	Foundation Pier—Milwaukee, Wis. ..... Mar. 18 Adv. Mar. 18.
Apr. 1	Cruiser, etc.—Wash., D. C. Feb. 25
Apr. 1	Remodeling—MsKeesport, Pa. ..... Mar. 18 Adv. Mar. 18.
Apr. 2	Driveway — Sheboygan, Wis. ..... Mar. 18
Apr. 6	Earthwork—Iowa ..... Mar. 18 Adv. Mar. 18.
Apr. 12	Dredging — Hartford, Conn. ..... Mar. 11 Adv. Mar. 11 and 18.
Apr. 16	Dredging—Galveston, Tex. Mar. 18 Adv. Mar. 18.
Apr. 20	Turbine, etc.—Nebraska and Wyoming ..... Mar 18 Adv. Mar. 18.

Unclassified

Mar. 24	Fire Alarm System—Rochester, N. Y.	Mar. 4
Mar. 29	Lighting System—Elmhurst, Ill.	Mar. 11
Apr. 7	Sanitary Work, etc.—Ogdensburg, N. Y. ..... Adv. Mar. 18.	Mar. 18

Materials

Mar. 19	Rail, Timber, etc.—New York City, N. Y.	Mar. 11
Mar. 19	Lumber, Gravel, Stone, etc.—Indianapolis, Ind.	Mar. 11
Mar. 19	Cast Iron Pipe—Cleveland, O.	Mar. 11
Mar. 19	Sewer Pipe, Oil, etc.—New Haven, Conn.	Mar. 18
Mar. 20	Road Oil—Sturgeon Bay, Wis.	Mar. 4
Mar. 22	Pipe—Montreal, Que.	Mar. 4
Mar. 22	Paving Blocks, etc.—Akron, O.	Mar. 18
Mar. 23	Paving Blocks—Detroit, Mich.	Mar. 11
Mar. 23	Asphalt and Tar, etc. — Holyoke, Mass.	Mar. 18
Mar. 24	Asphalt Road Oil—Clayton, Mo.	Mar. 18
Mar. 24	Road Oil, etc.—Clayton, Mo.	Mar. 18
Mar. 25	Cast Iron Pipe, etc.—Quincy (Boston P. O.), Mass.	Mar. 18
Mar. 26	Structural Steel—Atlanta, Ga.	Mar. 18
Mar. 27	Pipe, etc.—Toronto, Ont.	Mar. 18
Apr. 2	Timber Piles—Albany, N. Y. ..... Adv. Mar. 18.	Mar. 18
Apr. 6	Lumber—Jones, La.	Mar. 4

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Waterworks

Proposed Work

Mass., Greenfield—Water Dept. plans repairing dam at Leyden Brook Reservoir. $60,000. E. M. Schneck, Town Hall, engr.

Mass., Quincy (Boston P. O.) — City Council authorized expenditure $600,000, water mains, 2 new steel tanks, one 1 m.g. capacity, located on ground, other 400,000 gal. capacity located on tower, also lowering one old tank 300,000 gal. capacity, and 8- to 20-in. c.i. pipe cement lined. Metcalf & Eddy, 14 Beacon St., Boston, consult. engrs. Noted Oct. 1.

Conn., New Haven — New York, New Haven & Hartford R.R. Co., taking bids 48, 54, 60 and 72 in. gate valves for use at Cos Cob, also c.i. pipe for Apr. 1 delivery. N. M. Rice, genl. purch. agt.

Conn., Putnam—Bd. Water Comn. plans storage reservoir and appurtenances, $117,000, mains in Mechanic St. $11,000, and in Main St. $25,000.

N. Y., Hamburg — Village making preliminary plans 2 m.g. filtration plant, incl. concrete spillway dam, 150 ft. wide, wing wall, c.i. pipe, rein.-con. settling basin, filter, heating plants, etc. $148,000. Engineer's name withheld.

N. J., Asbury Park—City Comn. plans 2 artesian wells and air compressor, pumps, etc. $46,000. N. Rogers, Asbury Park, engr.

N. J., Trenton—Mercer Co. plans 50,000 gal. tank and new pumps at Mercer Co. Workhouse, Moore's Station, here. $10,000. F. C. Carstarphen, 901 Edgewood Ave., engr.

Fla., Fort Myers — Election Mar. 23, $400,000 bonds, waterworks extensions and additions.

O., Barberton—R. L. Long, supt. Waterworks, takes bids about Mar. 25, extending mains in 25 streets in north and west end of city. $150,000.

Mich., Ann Arbor — Maury & Gordon, engrs., 53 West Jackson Blvd., Chicago, Ill., in conjunction with Hoad, Decker, Shoecraft & Drury, Ann Arbor, submitted report on water supply, here, for City.

Mich., Saginaw — Making preliminary estimates filtration and pumping station. Maury & Gordon, 53 West Jackson Blvd., Chicago, Ill., engrs. in conjunction with Hoad, Decker, Shoecraft & Drury, Ann Arbor.

Ill., Carthage—Making preliminary plans extending waterworks and sewerage systems. $85,000. Caldwell Eng. Co., 36 North Side Sq., Jacksonville, engrs.

Ill., Hillsboro — Voted $40,000 bonds, filtration plant connecting with water system. Holbrook, Warren & Van Prague, Milliken Bldg., Decatur, engrs. Noted Feb. 4.

Ill., Palatine—See "Sewers."

Wis., Green Bay—W. L. Kerr, city clk., soon takes bids new pump and motor for Shawano Ave. Pumping Station.

Mo., Forsythe—Voted $15,000 bonds, distribution system. Alexander Eng. Co., Woodruff Bldg., Springfield; engrs. Noted Feb. 25.

Mo., St. Louis—Making preliminary plans foundation and substructure for power plant, boiler house, coal receiving house, conveying house, pipe tunnels, etc., for Howards Bend Waterworks, on Missouri River. $325,000. A. Pritchard, City Hall, water comr.

Mo., Seymour — Making plans deep well, steel tank on tower, pumping equipment and 4- to 8-in. distribution mains. $300,000. A. H. Hendrick, Seymour, engr.

Tex., Marshall — Election soon $50,000 bonds, waterworks improvements. Engineer not announced.

Tex., Waco—Election in April $4,000,000 bonds, water storage reservoir on Bosque River, and improving filtration plant. V. G. Koch, Waco, city engr. Noted July 9.

Okla., Dawson—Election Mar. 24, $24,000 bonds, new waterworks to get water from Tulsa Spavinaw pipe line. Holway Eng. Co., Wright Bldg., Tulsa, engrs. Noted Oct. 22.

Calif., Coalinga — Plans election $25,000 bonds, mains and improving present water system.

Calif., Healdsburg — Plans to purchase 3,000 ft. 4 in. pipe hydrants, fittings, etc.

Calif., Rio Vista—Voted $16,250 bonds, c.i. mains, and $13,500 bonds, rebuilding present pump house and new equipment. Noted Mar. 4.

Calif., Tracy—Plans election $35,000 or more bonds, water and sewerage systems.

Ont., Windsor — Utilities Comn. plans enlarging filtration plant. $250,000. J. C. Keith, engr.

Bids Desired

Mass., Easthampton—Town, Bd. Selectmen, Town Hall, taking bids c.i. pipe, to be used on Hill Ave. and Main St. $7,500 appropriated.

Conn., New Britain — Apr. 12, by Bd. Water Comrs., City Hall, c.i. mains various streets, Contrs. J, K and L. J. D. Williams, city engr.; adv. E. N.-R. Mar. 18.

N. Y., Athens — Apr. 5, at office A. D. Peloubet, village clk., waterworks and sewerage system, M. Vrooman, Gloversville, engr.; adv. E. N.-R. Mar. 18.

N. Y., Oneida Castle (mail Oneida) — Mar. 29, by Bd. Water Comrs. city of Oneida, W. M. Baker, chn., 12,700 lin.ft. 6- to 16-in. mains, meter house, etc., here; and by Bd. Water Comrs., Sherrill-Kenwood Water Dist., S. R. Lenard, chn., 5,800 ft. 14 in. c.i. pipe line connecting above, here; adv. E. N.-R. Mar. 18.

See classified index on bids wanted on page 149

Time-Saving, *Strong* Concrete

Engineering News-Record Editorial Explains Value to Builders

"The value of this new suggestion," says an editorial in *Engineering News-Record,* February 18, p. 266, in commenting on the methods for producing quick-hardening, strong concrete in *3 days* with standard *Universal* cement, "lies in the possibilities it opens to the thinking concrete man, in the visualization it gives him of what can really be done with concrete if brains are mixed with it."

As pointed out in the *Engineering News-Record* editorial, these methods not only produce strong concrete quickly, but also result in a concrete which is much better and much stronger forever after.

Copy of brief illustrated circular describing the methods for securing this time-saving concrete with standard *Universal* cement, the same quality *Universal* as regularly used, furnished on request to

Universal Portland Cement Co.

Chicago—Pittsburgh—Minneapolis—Duluth—Cleveland—New York

Concrete for Permanence

Waterworks (Continued)

N. Y., Rome—See "Buildings—Industrial."

N. Y., Roslyn—Mar. 20, by Bd. Water Comrs. Roslyn Water Dist., 850 gal. motor driven single action triplex plunger pump, etc. S. B. Browne, Mineola, engr.; adv. E. N.-R. Mar. 18.

Pa., Claysville—Apr. 5, by Boro Council, J. L. Melvin, secy., storage reservoir, filter plant, filter plant building, c.i. pipe, etc. D. C. Morrow, 62 East Wheeling St., Washington, engr.

Md., Preston—Mar. 26, by City Comrs., J. O. Wright, secy., alternate 50 m.g. or 75 m.g. steel water tanks, on 100 ft. steel tower. Kastenhuber & Anderson, Easton, engrs.; adv. Mar. 18. Noted Jan. 28.

N. C., Belmont—Mar. 20, by Mayor, 10,500 lin.ft. 8 in. c.i. pipe, 10,000 lbs. c.i. specials, etc. Carolina Eng. Co., Charlotte, engrs.

Fla., Kissimmee—See "Sewers."

O., Berea—Mar. 31, by H. D. Banks, clk. Bd. Trustees Pub. Affairs, improving water distribution system. G. Champe, Toledo, consult. engr.; adv. E. N.-R. May 18.

O., Cincinnati — Mar. 23, by Comrs. Hamilton Co., constructing Water Supply Line 24, Dist. 2 (White Oaks 2nd Contr.), 43,332 ft. 6- to 10-in. c.i. pipe, 18 tons casting, etc., $105,776; also Water Supply Line 29, Dist. 3 (Golf Manor), 18,587 ft. 4 and 6 in. c.i. pipe, etc., $44,894. L. C. Boyatt, Court House, engr.

Ill., Chicago—Mar. 23, by City, Room 406, City Hall, 1,200 Chicago standard gate valves, 3- to 12-in. and certain repair parts to various city pipe yards. A. A. Sprague, comr.

Ill., East St. Louis — See "Contracts Awarded."

Wis., Marshfield—Mar. 26, by Bd. Pub. Wks., J. A. Schindler, secy., 9,496 ft. 6 in. B. & S. mains in various streets.

Wis., Milwaukee—Mar. 23, by Central Bd. Purchases, J. W. Nicholson, ch. buyer, 2,279,705 tons 36- to 48-in. plain straight and 94.5 tons lugged c.i. pipe, also 71,664 tons special castings for same, to Water Dept.

Minn., Mankato — Mar. 29, by F. W. Bates, city clk., 1 m.g. rein.-con. reservoir, $20,000. L. P. Wolff, 903 Globe Bldg., St. Paul, engr. Noted Oct. 29.

Mo., St. Louis—Apr. 6, by Bd. Pub. Serv., 208 City Hall, four 460 hp. boilers $15,000, also sheet steel breeching in boiler room $6,000, both for Bissells Point Station. E. E. Wall, dir.

Mo., St. Louis—Mar. 22, by G. J. Dietz, comr. Supply, City Hall, 60 controllers, 20 tables, etc. for filter plant at Howards Bend, St. Louis Co. $65,000. E. E. Wall, dir.

Ont., Toronto—See "Materials."

Ont., Windsor—Water Comrs., c/o W. A. Hanrahan, secy., City Hall, taking bids one 12 m.g. 175-ft. total lift centrifugal pump both motor and condensing steam turbine drive. Noted Mar. 4.

Bids Received

N. Y., Brooklyn—Park Bd., F. P. Gallatin, pres., Arsenal Bldg., Central Park, 5th Ave. and 46th St., New York City, Mar. 11, vitr. and c.i. drains at Atlantic Ocean Terminus, Ocean Parkway, here, from M. J. O'Hara, 557 3rd St., $21,575. Noted Mar. 4.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Mar. 12, mains, transferring taps, rearranging connections and setting additional valves, etc. in Battery Park, Riverside Dr., River Rd., 5th, 9th, Payson, St. Nicholas, 7th and 12th Aves., Church, Dyckman and East Sts., etc., from Draganette Constr. Co., 1123 Clinton Ave., $43,435. Noted Mar. 11.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Mar. 12, mains in Bloomingdale Rd., Bronx and Johnson Pls., Burnside, Cedar Geldner, Halpin and Hitchcock Aves., Atlantic, Brabant, and 3rd Sts., here, from Empire Contg. Co., 21 Park Row, New York City, $13,988. Noted Mar. 11.

Mich., Detroit—Dept. Water Supply, Mar. 9, 41,892 lin.ft. 6- to 12-in. mains, etc., in various streets, Contr. 1926-1, and 35,075 lin.ft. Contr. 1926-2, from J. W. Toyne, South Bend, Ind., $25,649 and $21,896 respectively; also 36,590 lin.f.t 6- to 12-in. mains, Contr. 1926-3, from R. D. Baker, 1631 Elmhurst Ave., $21,154. Noted Mar. 4.

Minn., Minneapolis — F. S. Gram, city purch. agt., Mar. 1, from H. Mueller Mfg. Co., Decatur, Ill., four thousand ¾ in. curb cocks at $1.90 each, two hundred 1 in., $2 20, one hundred ¾ in. inverted $1.40, one hundred 1 in. inverted $1.76, also four thousand ¾ x ¾ in. corporation cocks $0.75, and ¾ x 1 in. $0.95. Noted Feb. 25.

Calif., Laguna Beach—From Nicoli & Co., Garland Bldg., Los Angeles, c.i. pipe, 650 tons 4 in. $48.75 per ton, 600 tons 6 in. $47.25, 285 tons 8 in. $47.25, 495 tons 12 in. $47.25, 250 tons 16 in. $47.25, 245 tons 20 in. $46.25, 1,085 tons 24 in. $46.25, from U. S. Cast Iron Pipe & Fdry. Co., Wright & Callender Bldg., Los Angeles, 30 tons "C" and 40 tons "D" fittings, $100 per ton. Noted Nov. 26.

Contracts Awarded

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in DeKalb, Forbell, Foster, Georgia, Livonia Aves., Avenues S and T, etc., here, to Dragonetti Constr. Co., 1123 Clinton Ave., New York, $11,470. Noted Mar. 11.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in 22nd and 45th Drs., 22nd Rd., Hopkins, Washington and 60th Aves., etc., here, to S. Gallucci & Sons, Inc., 38 Railroad Ave., Corona, $4,389. Noted Mar. 11.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, small pipe lines, Contr. 796, to M. and J. B. McHugh, 892 North Markoe St., $95,685, and electrical receiving equipment for Queen Lane Booster Station, Contr. 799, to Keystone State Piping & Equipment Co., 2849 Germantown Ave., $34,750. Noted Mar. 11.

Md., Baltimore—Mayor and City Council, excavating trenches and laying mains for Bureau Water Supply, to Ligon & Ligon, 2 East Lexington St., Baltimore, $59,856.25.

Ill., East St. Louis — East St. Louis & Interurban Water Co. will construct 17,600 ft. 12 in. c.i. mains from pumping station at Edgemont to Belleville, by day labor. $75,000. Private plans.

Ill., Springfield — City Clerk, 17 m.g. centrifugal pump, to Worthington Pump & Machy. Co., 115 Bway., New York City, $5,625. Noted Jan. 14.

N. D., Linton—Waterworks and sewerage system, to Phelps-Drake Co., 623 Metropolitan Life Bldg., Minneapolis, Minn. $50,949.

Mo., St. Louis—See "Unclassified."

Okla., Lawton — Filter plant improvements, to International Filter Co., 333 West 25th Pl., Chicago, Ill., $14,750. Noted Apr. 16.

Wash., Seattle—Bd. Pub. Wks., mains in Melrose Ave. and Melrose Ave. N., to Interstate Constr. Co., 1713 22nd Ave. S., $44,051. Engrs. est. $34,873. Noted Mar. 11.

Calif., Mountain View—See "Streets and Roads."

Sewers

Proposed Work

Mass., Greenfield—Plans sanitary sewer in northern section town. $60,000. E. M. Schneck, Town Hall, engr.

W. Va., Charlestown—Election Apr. 6, $125,000 bonds, sewers in various streets. D. C. Dolly, city clk.

Fla., Fort Myers — Election Mar. 23, $815,000 bonds, sewers, etc., in various streets.

Tenn., Mt. Pleasant—Plans election $60,000 bonds, sewerage system.

Mich., Detroit—Dept. Pub. Wks. made plans, brick or concrete sewer in 7 mi. Mill Rd. from River Rouge to Puritan Ave., and 7,500 ft. intercepting sewer in Jefferson Ave. from Connors Creek Pumping Station to Helen Ave.; also dredging 16,000 cu.yd. Fox Creek from Detroit River to Ashland Ave. for relief of Fox Creek drainage. P. A. Fellows, City Hall, engr.

Mich., Detroit — Dept. Pub. Wks. made plans lateral sewers 19,239 ft. in Lateral Sewer 4491 in blocks between Greenfield, Hubbell, Grand River and Fenkell Aves.; 11,855 ft. Lateral 4496 between Cruse, Monnier, Lyndon and Ferndale Aves.; 1,485 ft. Lateral 4500 between Lemay, Springfield, Shoemaker and Hern Aves.; 1,428 ft. Lateral 4533 in Freeland Ave. from Tireman to Grand River Aves.; 7,569 ft. Lateral 4538 between Everts, Grayton, Harper and Robinwood Aves.; 1,152 ft. Lateral 4545 in blocks north of Jefferson and east of Delray Aves.; 1,473 ft. Lateral 4548 between Greenfield, Prest, Tyler and Schoolcraft Aves.; 2,826 ft. Lateral 4549 in blocks between Van Dyke, Kempa, Desgrandschamp and Yolanda Aves.; 28,794 ft. Lateral 4550 between Schaefer, Manor, Tireman and Boneparte Aves.; 3,762 ft. Lateral 4551 between Seven Mile Rd., Van Dyke, Antwerp and Suzanne Aves.; 1,665 ft. Lateral 4553 between Mound, Charles and Marshall Aves.; 4,561 ft. Lateral 4561 between Ardmore, Leasure, Fenkell, and Pilgrim Aves.; 2,332 ft. Lateral 4563 in Marlow Ave. from Tyler to Schoolcraft Aves., and 1,817 ft. Lateral 4565 Archdale Ave. from Turner to Grand River Aves., etc. P. A. Fellows, City Hall, engr.

Mich., Detroit—Wayne Co. plans approximately 3½ mi. concrete covered sewer draining 5,000 acres in vicinity of Eight Mile Rd. east of Woodward Ave. emptying into Connors Creek Sewer, here. Oakland and Macomb Counties appropriate toward cost. G. A. Dingeman, County Bldg., drain comr.

Ill., Carthage—See "Waterworks."

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., takes bids about Apr. 15, sludge beds for Calumet sewage treatment plant. $125,000.

Ill., Chicago—Sanitary District of Chicago, soon takes bids 11,000 ft. 3½ x 5 ft. and 2,600 ft. 27 in. concrete sewers in Roosevelt Rd. in Broadview (mail Bellwood). $400,000. O. L. Eltinge, 910 South Michigan Ave., engr.

Ill., Libertyville—Village Clerk takes bids about Apr. 15, outlet sewers and sewage treatment plant. $90,000. Kelker & De Leuw, 111 West Washington St., Chicago, engrs.

Ill., Palatine—Plans sewerage and waterworks in McIntosh and Merrill Subdivisions. $230,000. Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs.

Wis., Fond du Lac—J. F. Hohensee, city clk., purchased site and plans sewage disposal plant. $50,000. G. H. Stanchfield, City Hall, engr.

Mo., Clayton—J. Harnage, secy. Northwest Maplewood Sewer Dist., postponed opening bids Mar. 1, 500 cu.yd. rock excav., 16,500 cu.yd. earth excav., 1,700 cu.yd. channel change, 1,072 ft. 42 and 48 in. segmental block, and 24,440 ft. 8- to 36-in. vitr. clay pipe, and 56,300 lb. c.i., etc. A. H. Beard Eng. Co., 7370 Manchester Ave., Maplewood, engrs. Noted Jan. 28.

Mo., Kennett — Takes bids in summer sanitary sewerage system. $45,000. W. R. Heagler & Sons, Paragould, Ark., engrs.

Tex., Brady—Making plans and soon take bids complete sewerage system and disposal plant. $100,000. E. A. Burrows, Brady, engr. Noted Dec. 31.

Tex., San Benito—Election Apr. 6, $100,000 bonds sewerage system. Address S. Brown, mayor.

Tex., San Saba — Voted $60,000 bonds complete sewerage system. Municipal Eng. Co., 1107 Athletic Club Bldg., Dallas, engrs. Noted Jan. 28.

Okla., Olustee—Made preliminary plans new sanitary sewerage system. $25,000. J. P. Randal, mayor. Engineer not selected.

Wash., Seattle—Voted $2,125,000 bonds, intercepting sewerage system carrying all sewage now dumped into Lake Washington into Puget Sound. J. D. Blackwell, city engr. Noted Feb. 4.

Ore., Klamath Falls — Plans election $350,000 bonds, city improvements, incl. sewage disposal plant, viaduct over crossing, 1.5 mi. paving and street lighting system. Engineer not selected.

Calif., North Sacramento—City rescinded contract for 62,700 lin.ft. 6- to 15-in. vitr. sewers in various streets. $70,000 or more. Will readvertise. Noted June 4.

Calif., Redding—Plans election $100,000 or more bonds, sewage disposal plant.

Calif., San Bernardino—See "Streets and Roads."

Calif., Tracy—See "Waterworks."

Ont., Toronto — East York Twp. plans 3,000 ft. 12 in. vitr. clay sewers in Monarch Park, Prestholme, Coleridge, Harsard, and Baker Aves. $25,000. G. R. Jack, 443 Sammon Ave., engr.

Ont., Toronto—York Twp. plans 6,100 ft. 8 in. and up vitr. clay sewers in Kirknewton Rd., North Cliffe Blvd., Kane, Hunter and Ossington Aves. $40,000. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

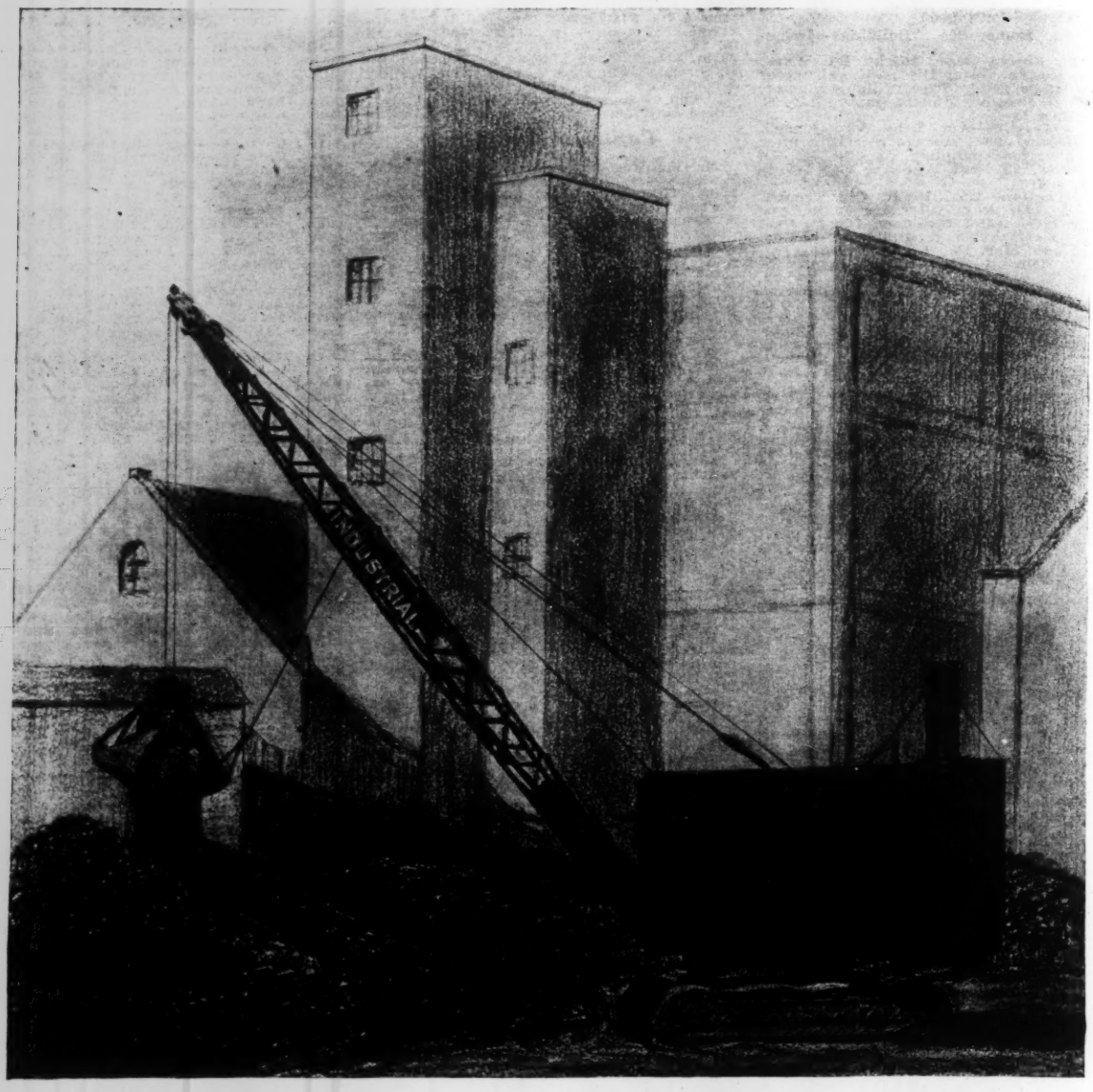
N. Y., Athens—See "Waterworks."

N. Y., Buffalo — Apr. 12, by Commissioner Pub. Wks., Municipal Bldg., rein.-con. storm water overflow drain, also rein.-con. and vitr. segmental block storm water and sanitary sewer; adv. E. N.-R Mar. 18.

N. Y., New York — Mar. 25, by W. J. Flynn, acting pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., storm water drains in Adee Ave., and East 222nd St.; receiving basins, etc. on Stell Pl., Waring and Loconia Aves.; sewers in East 222nd, Tiffany, Truxton, East 156th Sts., Randall, Waring, and Yates Aves., etc.

Pa., Phila.—Mar. 31, by Dept. Pub. Wks., Bureau of Engineering, 1 story, basement and sub-basement, 64 x 139 ft., brick and steel encased in concrete, pumping station, at Northeast Sewage Treatment Works, Wheatsheaf Lane east of Richmond St. G. H. Biles, dir.

W. Va., Morgantown—Mar. 23, by W. E. Brooks, city mgr., sewerage system, incl. 6,512 ft. sanitary and 5,296 ft. lateral sewers, etc. C. W. McDowell, city engr.



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Sewers (Continued)

Fla., Kissimmee—Apr. 2, by City Comn., sanitary and storm sewers and extending waterworks in various streets. Ramsey-Herndon & Co., Orlando, engrs.; adv. E. N.-R. Mar. 18. Noted Dec. 24.

La., Baton Rouge — Mar. 24, by Comn. Council, 4,544 lin.ft. vitr. sewers, etc., in McCall and Lake Hills subdivision. J. W. Billingsley, Baton Rouge, consult. engr.

Tenn., Knoxville — See "Streets and Roads."

Ky., Bromley — Apr. 8, by Bd. Town Trustees, sewerage system; adv. E. N.-R. Mar. 18.

O., Ashtabula — Apr. 3, by Bd. Comrs. Ashtabula Co., sewage treatment plant, incl. 11,000, ft. 20 in. and 9,500 ft. 24 in. c.i. pipe. R. F. MacDowell, 1770 East 11th St., Cleveland, engr.

O., Brooklyn Heights (mail Independence)—Mar. 24, by Bd. Comrs. Cuyahoga Co. (Cleveland), sewage treatment plant, here. To exceed $25,000. F. Williams, Court House, Cleveland, engr.

Mich., Muskegon—I. R. Ellison, city mgr., taking bids 8,500 ft. 8 and 10 in. S. S. vitr. pipe, 3,380 ft. 12 to 20 in. D. S. pipe, 970 ft. 27 to 36 in. D. S. vitr. or concrete; pipe; seventy 10 in. two hundred fifty 8 x 6 in. Y's and 6 in. stoppers one hundred 8 in. elbows, and fifty 8 in. bends. H. J. Lewis, City Hall, engr.

Ill., Chicago—See "Streets and Roads."

Ill., Chicago — Mar. 23, by Bd. Local Impvts., tile and brick sewers, etc., in Peoria St., Normal Ave. and California Ave. system, and 68th St. system. $145,000. H. E. Hudson, Room 207, City Hall, engr.

Ill., Lake Forest — See "Streets and Roads."

Wis., Milwaukee—Mar. 23, by Dept. Pub. Wks., vitr. and monolithic concrete storm and sanitary sewers in 18 streets.

Minn., St. Paul — Mar. 23, by A. E. Eggert, city purch. agt., 13,852 lin.ft. 12- to 66-in. pipe, etc. in St. Paul Ave. Sewer 2, Div. B. $80,000. G. M. Shepard, city engr. Noted Oct. 15.

Tex., Alice — Mar. 23, by City, sewer improvements, extending mains, etc. $50,000. J. H. Briggs, 2033 North Nueces St., San Antonio, engr. Noted Jan. 7.

Wash., Longview — Mar. 25, by City Comrs., sewers in L. I. D. 14, 2,770 cu.yd. backfill and excav., 6,930 ft. 8- to 15-in. concrete pipe, etc. T. H. Davis, Longview, engr.

Wash., Seattle—Mar. 26, by City Comrs., sewers in L. I. D. 15, 750 cu.yd. excav. and backfill, 2,840 ft. 10 and 12 in. concrete pipe, etc.; L. I. D. 12, 31,800 cu.yd. excav. and backfill, 47,950 ft. 6- to 30-in. concrete pipe, etc.; and L. I. D. 13, 1,350 cu.yd. excav. and backfill, 4,220 ft. 10 and 12 in. concrete pipe, etc. T. H. Davis, Longview, engr.

Calif., Los Angeles—Bd. Pub. Wks. taking bids 13,571 ft. 8 and 10 in. cement, and 15,897 house sewers, etc., in Arlington, 2nd and 3rd Aves. J. C. Shaw, City Hall, engr.

Ont., Toronto — Mar. 23, by T. Foster, mayor, City Hall, for 5,000 ft. 8 in., etc. vitr. tile and trunk sewers in Sydenham St., Oriole Parkway, Lane 1st West of Spadina, Lane 1st North of Gerrard St., Tranmer and Eastbourne Aves., also Chaplin Crescent (Sect. BC). $50,000. R. C. Harris, City Hall, engr.

Bids Received

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., Mar. 6, storm sewer tunnel in 26th St., from Wenzel & Henoch Constr. Co., 498 27th St., $130,501. Noted Mar. 4.

Calif., Gilroy — From Oakland Sewer Constr. Co., Builders Exch. Bldg., Oakland, sewers in various streets, 5,600 ft. 12 in. vitr. pipe $0.83 per ft., 3,000 ft. 10 in. $0.68, 2,500 ft. 8 in. $0.57, also 100 ft. 12 in. c.i. $3.40, etc. Noted Mar. 4.

Calif., Los Angeles — See "Streets and Roads."

Contracts Awarded

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sanitary sewer in Guyon and Adelaide Aves., Hylan Blvd., Mill Rd., and 6th St., all in New Dorp., Oakwood and vicinity, to Hammen Constr. Co., 279 Madison Ave., Perth Amboy, N. J., $68,136. Noted Feb. 18.

Pa., Pittsburgh—Sewers in Greenway Dr., to M. O'Herron Co., South McKean St., South Pittsburgh, $39,315. Engrs. est. $40,000. Noted Feb. 11.

Md., Baltimore—Bd. Awards, 4,600 lin.ft. 6 in. underdrain, 2,180 lin.ft. 6¼ ft. x 3 in. to 7 ft. x 4½ ft. brick and concrete, 5,750 lin.ft. 24- to 54-in. rein.-con., and 4,530 lin.ft. 15- to 21-in. vitr. sewer in Sewer Lists. G-2, G-13 and P-9, to D. C. McAleer, Phoenix Bldg., $137,570. Noted Mar. 11.

Tenn., Dickson — For 12 mi. sewers in various streets, sewage disposal plant, etc., to Sherman Machine & Iron Co., 18-32 East Main St., Oklahoma City, $74,160. Noted Feb. 18.

Mich., Royal Oak (br. Detroit)—Triangle Development Co., 26,000 ft. 12- to 24-in. vitr. and concrete sewer, etc. in Huntington Woods Manor, Royal Oak Twp., to Michigan Constr. Co., Penobscot Bldg., Detroit, $62,376. Noted Feb. 25.

Ill., Chicago—Sanitary Dist. of Chicago, 910 South Michigan Ave., Div. T. North Side Sewerage Treatment Works, 295 lin.ft. 11 ft. effluent conduit, etc., to L. B. Fugitt, 1432 Jonquil Tr., $80,030.

Wis., Milwaukee—Metropolitan Sewerage Comn., 508 Market St., to G. E. and L. Zimmermann, 3402 Grand Ave., main sewer in 4th Sect. Cudahy Sewer, 4,910 ft. 36 in. concrete pipe at $21.37 per ft., 7,315 ft. special section concrete sewer $21.27, 665 vertical ft. standard manholes $25, and 270 vertical ft. drop manholes $29, total $284,971.

Wis., Two Rivers—R. Biehl, city mgr., 2,400 ft. 6 in., 1,200 ft. 10 in., 2,400 ft. 12 in., 1,800 ft. 15 in. and 1,000 ft. 18 in. vitr. sewer pipe, to W. S. Dickey Clay Mfg. Co., 111 West Washington St., Chicago, Ill., $4,632. Noted Feb. 18.

N. D., Linton—See "Waterworks."

Mo., St. Louis—See "Unclassified."

Tex., Corpus Christi—Laying sewer lines, to Kirkwood Wharton & Lee, 456 Main Ave., San Antonio, $90,752; constructing outfall sewer, to J. De Puy, Builders Exch. Bldg., San Antonio, $70,988; furnishing pipe for sewer, to San Antonio Sewer Pipe Co., Bedell Bldg., San Antonio, $65,800. Grand total $227,540. Noted Feb. 18.

Tex., Littlefield—Complete sewerage system and disposal plant, to A. Roydrick, Plainview, $54,000. Noted Dec. 17.

Waste Disposal

Proposed Work

R. I., Providence—City, Pub. Wks. Dept., City Hall, plans incinerator plant. To exceed $50,000.

Fla., Fort Myers—Election Mar. 23, $45,000 bonds, incinerator.

Bridges

Proposed Work

Connecticut—State Hy. Dept., Hartford, plans repairing bridge over Connecticut River between Thompsonville and Suffield. $50,000. J. A. MacDonald, comr.

N. Y., Buffalo—State Hy. Dept., Albany, A. W. Brant, comr., plans steel truss highway bridge over Erie Canal, Hudson St., here. $93,000.

Wis., La Crosse—Making plans 160 ft. rein.-con. bridge on 2 concrete abutments and 3 concrete piers, etc., on Copeland Ave. $75,000. C. C. Congdon, City Hall, engr.

Missouri—Missouri, Kansas & Texas R.R. Co., Ry. Exch. Bldg., St. Louis, soon takes bids replacing 670 ft. trestle bridge, etc. on Northern lines, $45,000; and approximately 1,705 ft. at various points on Texas lines, $100,000. F. Ringer, ch. engr.

Tex., Houston — City and Houston & Texas Central Ry. Co., operated by Southern Pacific R.R., 65 Market St., G. W. Bosehke, ch. engr., making plans underpass under Houston & Texas Central R.R. tracks, at Heights Blvd. $250,000. J. C. McVea, Houston, city engr.

Tex., Marlin—See "Streets and Roads."

Oklahoma—State Hy. Dept., Oklahoma City, made surveys 4 span 440 ft. steel truss bridge on pile piers over north fork Red River, east of Granite, Greer Co., $60,000; 1 span 90 ft. steel truss bridge on concrete piers over Elk Creek, west of Hobart, Kiowa Co., $30,000; and 1 span 100 ft. steel truss bridge on concrete piers over West Cache Creek, at Hollister, Tillman Co., $30,000. J. M. Page, highway engr.

Nev., Reno — Making plans bridge over Truckee River, at Center St. $140,000. City appropriates $70,000 and property owners $70,000 toward cost. King & Malone, Cladianos Bldg., engrs. Noted Jan. 21.

Ore., Klamath Falls—See "Sewers."

Bids Desired

New Jersey—Apr. 5, State Hy. Comn., Trenton, 12 ft. and 30 ft. bridges over branches of Raritan River, on State Highway Route 9, at M. P. 16.3 and 17, Hunterdon Co. A. L. Grover, secy.; adv. E. N.-R. Mar. 18.

Pa., Millgrove (Roaring Creek P. O.)—Mar. 22, at office W. A. Arter, controller Westmoreland Co., Greensburg, two 55 ft. concrete and steel span bridge, etc. over Big Sewickley Creek, on State Highway Route 118, here.

North Carolina — Mar. 30, by State Hy. Dept., Raleigh, rein.-con. bridges, etc. on Project 398, Robeson Co. $46,000, Project 244, Jones Co. $46,500, Project 574, Moore-Montgomery Counties $26,000, Project 480, Wake Co. $40,000, Project 591, Rockingham Co. $57,500, Project 6690, Rowan Co. $52,500. C. M. Upham, Raleigh, engr.

Georgia — Apr. 2, by State Hy. Dept., East Point, **(F. A. P. means Federal Aid Project)**, 2 bridges on Columbus-Macon Rd., F. A. P. 445-A, Talbot Co., 33,051 lb. reinforcing, etc.; 3 bridges and 4 culverts on Dublin-Ironton Rd., F. A. P. 435, Laurens Co., 576 ft. untreated timber, 99,315 lb. reinforcing, etc.; 1 bridge over Otter Creek, on Fitzgerald-Abbeville Rd., F. A. P. 419-A, Ben Hill Co., 930 ft. piling, 31,448 lb. reinforcing, etc.; 1 bridge on Marietta-Cartersville Rd., F. A. P. 413-B, Cobb Co., 23,300 lb. reinforcing, etc.; 3 bridges and 1 culvert on LaGrange-Chiply Rd., F. A. P. 324-B, Troup Co., 844 ft. untreated piling, 116,050 lb. reinforcing, etc.; 1 bridge over Pughs Creek and 1 over Big Creek, Laurens Co., 2,586 ft. untreated piling, 131,350 lb. reinforcing, etc.; 4 bridges near Brunswick, F. A. P. 432-C, Glynn Co., 852,490 ft. timber, 6,488 lb. reinforcing, etc. W. R. Neel, highway engr.

Miss., Gulfport—Apr. 6, by Bd. Supervs. Harrison Co., 970 ft. temporary removable pile trestle bridge, 16 ft., 2 lift spans 25 ft. each, etc. over Back Bay of Biloxi at crossing of Old Spanish Trail, Beat 1, to be used during erection of north approach to concrete bridge. E. McManus, chancery clk.

O., Dayton—Mar. 26, by Comrs. Montgomery Co., 100 ft. single span steel truss highway bridge, 20 ft., on concrete abutments over Holes Creek, in Washington Twp. $45,000. W. O. Pease, Dayton, co. engr.

Illinois — Mar. 31, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, 112 ft. steel span overhead railroad crossing, on Route 2, Sect. 11-B, Union Co., 151,890 lb. reinforcing; 60 ft. span concrete girder bridge on Route 13, Sect. 4-B, Saline Co.; 19 ft. span concrete slab bridge, 20 ft. wide, 160 ft. concrete substructure, incl. temporary road and bridge, paving 1,068 sq.yd. Route 24, Sect. 14-B, and 160 ft. span steel superstructure on Route 24, Sect. 14-C, 179,060 lb. reinforcing, all Sangamon Co.; concrete substructure for 2 span 100 ft. and 3 span 200 ft. steel superstructure, on Route 33-A, Sect. 2-B, Menard Co.; 2 span 100 ft. and 3 span 200 ft. steel superstructure, on Route 43-A, Sect. 2-C, Menard Co., 1,440,910 lb. reinforcing; sidewalks on Route 36, Sect. 10-D, Adams Co. F. T. Sheets, highway engr.

Wisconsin—See "Streets and Roads."

North Dakota — Apr. 22, by State Hy. Dept. and Comrs. McKensie Co. (Schafer), Williams Co. (Williston) and Mountrail Co. (Stanley) at Court House, Schafer, concrete and steel bridge on Federal Aid Project 301-A at Sanish; and one on Federal Aid Project 302-A, near Williston, both over Missouri; adv. E. N.-R. Mar. 18. Noted Aug. 13.

Tex., Galveston—Mar. 25, by C. C. Washington, engr., Galveston, one 40 ft. simple steel span bridge with 20 ft. I-beam creosoted pile approach and about 900 ft. lin.ft. creosoted pile trestle across Dickinson Bayou, for Galveston Co. $28,000.

California—Mar. 29, by State Hy. Comn., Forum Bldg., Sacramento, thirty-six 38 ft. span reinforced concrete girder bridge over Santa Maria River, north of Santa Maria, San Luis Obispo Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

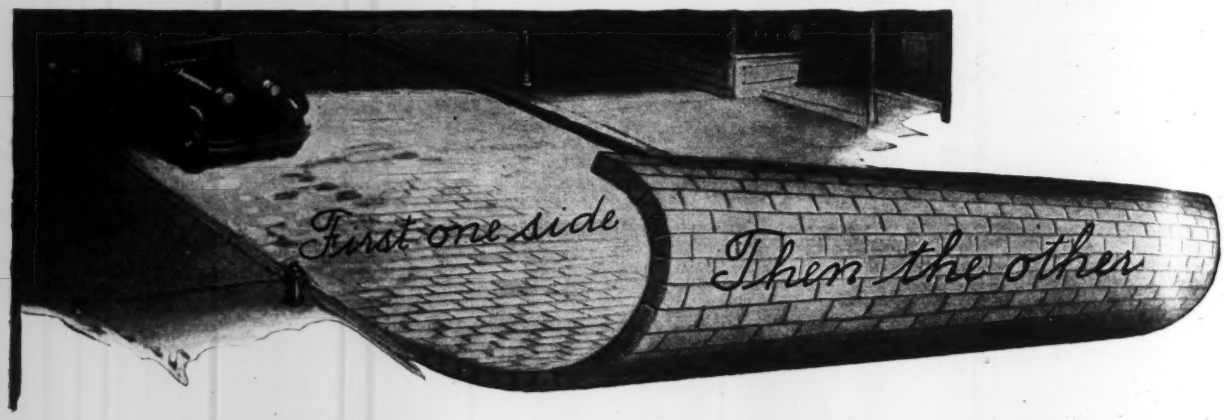
Calif., Los Angeles—Bd. Pub. Wks. taking bids 1,580 ft. rein.-con. viaduct incl. approaches, river portion consists of three 80 ft. arch spans and 21 bents. To exceed $1,000,000. City, Los Angeles Co. (Los Angeles), Los Angeles Ry. Corp., Union Pacific R.R., 1416 Dodge St., Omaha, Neb., R. L. Huntley, ch. engr., and Atchison, Topeka & Santa Fe Co., 80 East Jackson Blvd., Chicago, Ill., C. F. W. Belt, ch. engr., finance project. Noted Nov. 5.

Calif., San Pablo—Apr. 5, by State Hy. Comn., Forum Bldg., Sacramento, three 34 ft. span rein.-con. bridge over San Pablo Creek, here. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Bids Received

Delaware—State Hy. Dept., Dover, Mar. 10, bridge over Broadkill Creek, Contr. 53-B, from A. S. Fox, 15 West Side Building & Loan Bldg., Dayton, O. $35,835. Noted Feb. 18 under "Streets and Roads."

Louisiana — State Hy. Comn., Baton Rouge, Mar. 9, reconstructing and repairing bridge over Calcasieu River, on Lake Charles-West Lake Highway, State Project



Every time a community pays for *one* brick pavement it *gets two!*

One side of the brick, properly laid, will give twenty-five to thirty-five years of service, at least. Then, even if the foundation should fail, *the other side* is ready for just as many more years of resistance to traffic.

Scores of far-sighted communities are saving taxes in this way by using vitrified brick, asphalt-filled. Write for facts and figures from official public records proving the salvage value of brick pavements.

No one who voted for Grover Cleveland on his second election for President is less than 55 years old. And yet torch-light processions of that presidential campaign (1892) marched on brick pavements which are still in use today.

Keep this in mind when your community is called upon to decide on paving materials.

Advocate

VITRIFIED Brick PAVEMENTS

OUTLAST THE BONDS

NATIONAL PAVING BRICK MANUFACTURERS ASSOCIATION, ENGINEERS BLDG., CLEVELAND, OHIO

Bridges (Continued)

461, Calcasieu Parish, from Southern Eng. Co., Logansport, $91,227. Noted Feb. 18.

Tex., San Antonio—City, J. W. Tobin, mayor, City Hall, 83 ft. rein.-con. and steel bridge, 43 ft., across San Antonio River, on Market St., from Pryor & Jeffrey, c/o Builders Exch. Bldg., $35,400. Noted Jan. 27.

Colorado—See "Streets and Roads."

California—State Hy. Dept., Sacramento, Mar. 1, **(e. e. means engineers estimate)**, rein.-con. bridge over Doney Creek, 1 mi. south of Antler, Shasta Co., from Boardwell & Zimmerman, Napa, $79,925, e. e. $82,834; one over Bear Creek at Briceburg, Mariposa Co., from Smith Bros., Eureka, $25,817, e. e. $31,060; one over Slate Gulch, and one over Sweetwater Creek, Mariposa Co., from Noble Bros., San Jose, rein.-con. $18,487 e. e. $21,637, masonry facing $19,286 e. e. $24,822. Noted Feb. 18.

Contracts Awarded

Mass., Boston — Dept. Pub. Wks., steel and concrete electric ferry bridge, North Ferry, to J. E. Ogden Co., 147 Cedar St., New York City, $132,800. Noted Dec. 31.

Virginia—See "Streets and Roads."

North Carolina — State Hy. Comn., Raleigh, to C. R. Willard & Son, Spartanburg, S. C., rein.-con. bridge, etc. on Project 838, Henderson Co., 18 cu.yd. Class "AA" concrete at $33.50 per cu.yd. 638 cu.yd. Class "A" concrete $27.25, 93,200 lb. reinforcing $0.06, total $25,435. Noted Feb. 4.

Florida — State Rd. Dept., Tallahassee, Jupiter River Bridge, Project 656, Palm Beach Co., to Concrete Steel Bridge Co. of Florida, 513 Meriden St., Miami Beach, $250,632; Ocklockonee River Bridge, Project 672-B, Leon and Gadsden Counties, to E. Pettus, Montgomery, Ala., $78,090; bridge on Project 641-B, Palm Beach Co., to Concrete Steel Bridge Co., Miami Beach, $140,188. Grand Total $468,910. Noted Feb. 11 under "Streets and Roads."

Alabama—State Hy. Comn., Montgomery, several small concrete bridges on Kimbrough-Clark Co. line Rd., Wilcox Co., to Lamb & McLemore, Eutaw, $44,681, engrs. est. $46,000; 75 ft. double leaf trunnion bascule channel draw span bridge Tennessee River, at Decatur, Morgan and Limestone Counties, to Mount Vernon Bridge Co., Mount Vernon, O., $114,840, engrs. est. $130,000. Noted Feb. 25.

Miss., Quitman—See "Streets and Roads."

O., Cleveland—Cleveland Union Terminal Co., Marshall Bldg., 1 span 850 ft. concrete steel bridge over Columbus Rd., to Amer. Constr. Co., Marion Bldg. Noted Feb. 25.

Ia., Carroll—See "Streets and Roads."

Ia., Carroll—Carroll Co., 90 x 20 ft. Pony truss and 32 x 24 deck girder span bridge, to Jensen Bros., Thompson, $25,000.

Neb., Niobrara—State Hy. Dept., Lincoln, new 700 ft. concrete bridge with two 40 ft. approaches over Niobrara River, here, to Western Bridge & Constr. Co., Peters Trust Bldg., Omaha. Engrs. est. $78,000. Noted Feb. 25 under "Bloomfield."

S. D., Yankton—See "Streets and Roads."

Dams

Proposed Work

Wis., Knowlton—See "Buildings—Industrial."

Bids Desired

N. J., New Brunswick—Apr. 6, by Bd. City Comrs., 25 Livingston Ave., concrete dam across Lawrence Brook, at Parsons Mills, here. A. Atkinson, city engr.; adv. E. N.-R. Mar. 18.

Railways

Proposed Work

West Virginia—Chesapeake & Ohio R.R. Co., C. W. Johns, ch. engr., Richmond, Va., plans 19.2 mi. railroad from Edwight to Surveyor, connecting main line with Marsh Fork line.

Missouri—St. Louis—San Francisco R. R. Co., Frisco Bldg., St. Louis, making preliminary plans 8 mi. standard gauge 100 lb. tracks connecting Pacific and Villa Ridge. F. G. Jonah, ch. engr.

Oklahoma—Northern Oklahoma R. R. Co., Vinita, G. Patten, pres., plans 15 mi. railroad in Craig Co.

California—Southern Pacific R.R. Co., 65 Market St., San Francisco, making plans relocating tracks in vicinity of present terminal and other points in vicinity of San Jose. G. W. Boschke, ch. engr.

Bids Desired

Kansas—See "Contracts Awarded."

Nebraska—See "Contracts Awarded."

Contracts Awarded

Kansas—Missouri, Kansas & Texas R.R. Co., Ry. Exch. Bldg., St. Louis, Mo., will extend yards at Parsons, here, with own forces. $52,000. F. Ringer, ch. engr.

Nebraska—Union Pacific R.R. Co., 1416 Dodge St., Omaha, will lay 100 mi. new rails from Columbus right-of-way, etc., by day labor. R. L. Huntley, ch. engr.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

New Jersey — Bd. Commerce & Navigation, State House, Trenton, received no bids Mar. 12, redredging about 40,000 cu.yd. inland waterway from Cape May to Bayhead, Swains and Richardsons Channels, Cape May Co. Will readvertise. Noted Feb. 25.

Mississippi—See "Unclassified."

Ill., Rock Island—Election Apr. 20, $60,000 bonds, river front improvements. W. Treichler, 4409 7th Ave., engr.

Ia., Onawa—Auditor Monona Co. takes bids latter part of April, 210,000 cu.yd. excav. in open ditch, etc. C. B. Zorn, Court House, engr. Noted Jan. 28.

Calif., Coronado—City plans reconstructing seawall, damaged by storm. $31,000 appropriated.

Calif., Oakland—Southern Pacific R.R. Co., 65 Market St., San Francisco, made plans dredging 100,000 cu.yd. Oakland Estuary, at foot of Peralta St., here. Eng. Dept. of Owners, engrs.

Bids Desired

N. Y., Albany—Apr. 15, at office Albany Port Dist. Comn., 100 State St., dredging in Hudson River, here. F. C. Herrick, chn.; adv. E. N.-R. Mar. 18.

Md., Baltimore—Mar. 24, by Bd. Awards, dredging in Baltimore Harbor for 1926, for Mayor and City Council. F. W. McKinney, Recreation Pier, harbor engr.

Ind., Crawfordville—Mar. 20, by W. S. Harding, constr. comr., Court House, constructing Joseph W. Hall Drain, main ditch 23,300 ft. long, 56,532 cu.yd. excav., $18,930; also constructing 3,000 ft. tile drain.

Ark., Marianna—Mar. 22, by Comrs. Lee Co. at office Daggett & Daggett, attys. Hog Tush D. D., 200,000 cu.yd. excav. dry land work and ditches, 4- to 8-ft. deep and 4- to 10-ft. bottom. C. B. Bailey, Wynne, engr.

Calif., Santa Rosa—Mar. 24, by W. W. Felt, Jr., clk. Sonoma Co., removing slides, reconstructing fills and ditches, 20,000 or more cu.yd. excav. on road from Jenner to Mendocino Co. line.

Bids Received

New Jersey — Bd. Commerce & Navigation, State House, Trenton, Mar. 12, V. Gelineau, dir., dredging from wharf at Leeds Point to point in Great Bay, 600 ft. easterly from Oyster Creek, Galloway Twp., Atlantic Co., from Delaware Dredging Co., 139 South 3rd St., Phila., Pa., at $0.32 per cu.yd. Noted Feb. 25.

N. J., Newark—Dept. Pub. Affairs, City Hall, T. L. Raymond, dir., Mar. 10, 500,000 cu.yd. dredging and 30,000 cu.yd. rock removal in City Channel, Port Newark, from P. Sanford Ross, Inc., 277 Washington St., Jersey City, $517,000. Noted Mar. 4.

Contracts Awarded

Miss., Greenwood — Comrs. Fighting Bayou D. D., 36 mi. drainage channel, 1,250,000 cu.yd. excav. and 260 acres clearing and grubbing, to A. J. Harty & Co., Greenville, at $0.1124 per cu.yd. Noted Feb. 19.

Ill., Chicago—See "Unclassified."

Ill., Murphysboro—Big Lake Special D. D., Jackson Co., H. L. Brickey, chn., 470,000 cu.yd. excav., etc., to Campbell & Hast, Sandborn, Ind. Former contract rescinded. Noted Dec. 24.

Calif., Calexico — Colorado River Land Co., 10 mi. levee, 306,000 yd. earth moving (using dragline dredges), to J. Philips, 1329 Milvia St., Oakland, $0.15 per yd.

Streets and Roads

Proposed Work

Mass., Hull—Plans constructing various streets. $73,500 appropriated. Engineer not selected.

New Jersey—Middlesex Co. (New Brunswick) plans paving 1 mi. Stelton-New Market Rd. in Stelton, 1 mi. Cranbury-Kingston Rd., in Cranbury; 2 mi. Rahway Ave. in Woodbridge; and 1 mi. Jamesburg-Englishtown Rd., in Jamesburg. W. C. Buchanan, Perth Amboy, engr.

New Jersey—State Hy. Dept., Trenton, plans concrete paving 4.5 mi. road from Millville to Vineland, Cumberland Co. $250,000.

N. J., Asbury Park — City Comn. plans retopping Springfield Ave. from Main St. to city line. $25,000. N. Rogers, Asbury Park, engr.

W. Va., Lewisburg — Plans election $30,000 bonds, improving Court and other streets. W. L. Tabscott, recdr.

W. Va., Morgantown—Clay Dist. election Apr. 30, $525,000 bonds, improving roads in Morgan Co. A. J. Baritell, Morgantown, engr. Noted Jan. 28.

Ala., Anniston — Plans paving various streets. $43,000. S. J. Reaves, mayor.

La., Columbia — Caldwell Parish Police Jury election Mar. 23 $350,000 bonds graveling roads in Dist. 2, incl. roads west of Ouchita River, also making surveys waterworks and sewerage systems. Swanson & McGraw, Balter Bldg., New Orleans, engrs. on latter project.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, plans probably concrete or asphalt on concrete surfacing 6 mi. National Cemetery-Sumner Co. Line Rd., Davidson Co. C. N. Bass, comr.

Mich., Ecorse—G. A. Moore, village pres., plans sheet asphalt on concrete or concrete repaving Jefferson Ave. $225,000.

Ill., East St. Louis—See "Unclassified."

Ill., East St. Louis—Making preliminary plans grading, curbing and concrete paving 75th St. from State St. to Church Lane. $39,800. W. McK. Brown, City Hall, engr.

Ill., Franklin Park — Plans paving Schiller Blvd., Rose and other streets. $250,000 . Consoer, Older & Quinlan, 140 South Dearborn St., Chicago, engrs.

Ill., Park Ridge — Plans paving Prospect Ave. and various streets. $600,000. Consoer, Older & Quinln, 140 South Dearborn St., Chicago, engrs.

Wis., Madison—W. R. Winckler, city clk., making plans curbing, guttering and rein.-con. paving various streets. E. E. Parker, City Hall, engr. Noted Mar. 4.

Wis., Oshkosh — City Clerk soon takes bids bituminous concrete, vibrolithic concrete, macadam or cement paving Jackson Dr., Wisconsin, Jefferson, Mt. Vernon, Ashland, South Park, Monroe and Grand Aves., Catharine, Florida, 7th, Hudson and Punhoqua Sts. G. H. Randall, City Hall, engr.

Ia., Newton—Making preliminary plans grading, curbing and brick on concrete, rein.-con. or asphalt paving 57 blocks various streets. $135,000. V. H. Lear, City Hall, engr.

Ia., Pella — Making preliminary plans grading, concrete paving, etc., various streets. $100,000. Brown & Cook, Ottumwa, engrs.

Ia., Vinton—Benton Co. election in June $1,500,000 bonds, paving 50 mi. and graveling 100 miles various roads. Total $2,500,000. M. A. Hall, Vinton, co. engr.

Neb., Omaha — Plans grading, curbing, paving, etc., various streets in Dists. 2722, 2715, 2703, 2692, 2688, 2610, 2607, 2730, 2727, 2637, 2627, 2622, 2615, 2593, 2578, 2590, 2560 and 2562.

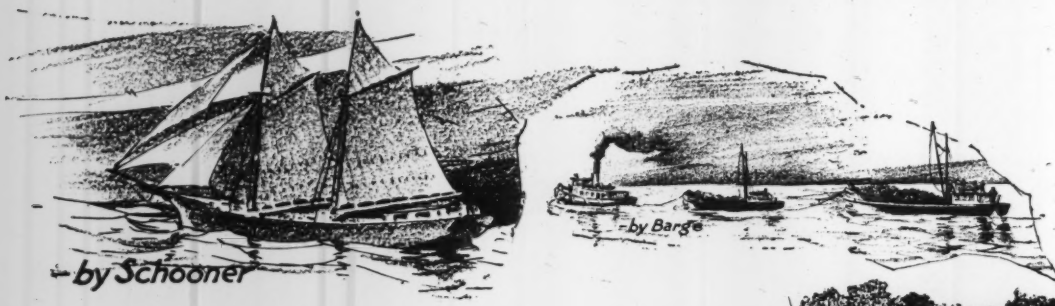
Wyoming—State Hy. Dept., Cheyenne, takes bids about Mar. 31, grading, gravel surfacing, etc. remaining 18 mi. Salt Creek Highway connecting Casper and Salt Creek oil field, 28,500 cu.yd. gravel, 3,334,000 cu.yd. haul on above gravel, etc. $2,300,000. Z. E. Sevison, highway engr.

Mo., Hannibal—Plans improving various streets. To exceed $25,000. W. R. Gettler, city engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids asphalt repaving, etc. 3,095 sq.yd. Garfield St., $20,509; asphalt paving, etc. 7,805 sq.yd. Prairie St., $30,000; grading, concrete paving, etc. 4,692 sq.yd. various alleys, $16,730. W. W. Horner, 300 City Hall, engr.

Ark., Little Rock—Soon takes bids grading, curbing and concrete or asphalt paving streets in Annex 1 to Dist. 426, $6,293, Dickson & Watkins, 607 Boyle Bldg., engrs.; and Annex 1 to Dist 356, $60,000, G. D. Douglass, 829 Home Life Bldg., engr.

Ark., North Little Rock—Making preliminary plans grading, curbing and rein.-



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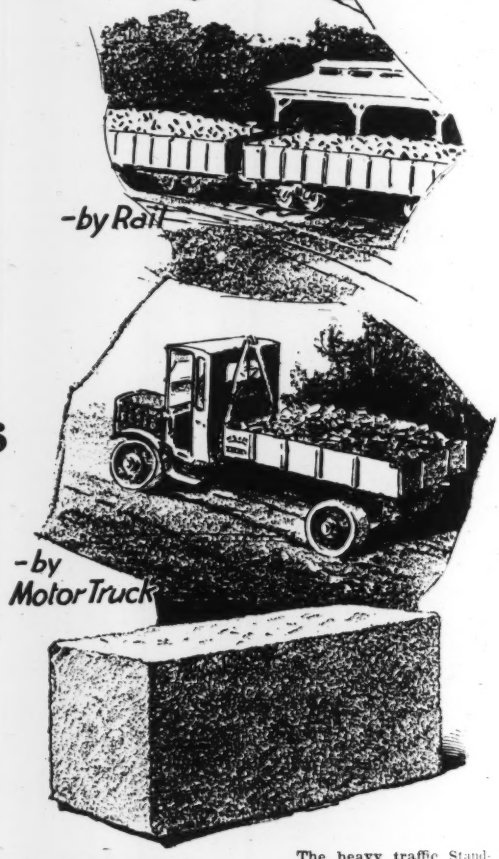

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Streets and Roads (Continued)

con. paving Paving Dist. 32. $30,000. G. Foster, City Hall, engr.

Tex., Hondo—Medina Co. making plans and soon takes bids Uvalde rock asphalt surfacing 10.47 mi. Highway 3, Federal Aid Project 270-C, 17 ft. $64,400. A. A. Pirie, Kampman Bldg., San Antonio, div. engr.

Tex., Jourdanton—Election soon $40,000 bonds, improving various streets. J. B. Leggett, mayor. Engineer not announced.

Tex., Liberty—Liberty Co. making plans reshouldering and shell surfacing 7.5 mi. Highway 61, from Devers to intersection with Highway 3, 16 ft. $45,000. A. C. Love, Liberty, co. engr.

Tex., Marlin—Falls Co. making plans grading and bridging 5.56 mi. Highway 108, Federal Aid Project 670-B, 26 ft. $46,000; grading, etc., 3.35 mi. and gravel surfacing 2.06 mi. Laterals to Highway 108, 16 ft., $41,000. V. B. Harris, Rosebud, co. engr.

Tex., Miles—Voted $30,000 bonds paving various streets. Address mayor.

Tex., Rockwall—Rockwall Co. making plans 8 in. concrete paving 2.7 mi. Highway 1 between Fate and Blackland, 8 ft. $33,000. V. R. Snitham, Rockwall, engr.

Tex., San Benito—Election Apr. 6, $75,000 bonds, improving various streets. Address S. Brown, mayor.

Tex., Tyler — Smith Co. making plans gravel surfacing 6.3 mi. Highway 31, Gladwater-Waco Rd., 16 ft. $25,000. D. K. Caldwell, Tyler, co. engr.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys grading, etc., 12 mi. State Highway 7, east of Duke, 30 ft., Harmon Co. $45,000. J. M. Page, highway engr.

Okla., Duke—Making preliminary plans grading and paving 5 blocks Main St., 76 ft. $35,000. R. L. Darby, mayor. Engineer not selected.

Okla., Elk City — Making preliminary plans grading, curbing and vertical fibre brick paving 9,400 sq.yd. streets in Dist. 5. $42,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Frederick — Plans grading and sheet asphalt paving 4,860 sq.yd. streets in Dist. 1. $26,200. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Stillwater—Plans grading and concrete paving 9,260 sq.yd. streets in Dist. 41. $28,700. R. G. Saxton, Stillwater, engr.

Ariz., Globe—Election Mar. 22, $150,000 bonds, paving various streets. A. G. McGregor, city engr.

Wash., Raymond—City Clerk takes bids about Apr. 1, 8 in. concrete paving and two 12 ft. concrete sidewalks on 3 blocks Commercial St. et al. 36 ft.

Ore., Klamath Falls—See "Sewers."

Calif., Beverly Hills—Made plans 6 in. concrete with 2 in. black (open specifications) surfacing, etc. 2¾ mi. Wilshire Blvd. A. Mathews, asst. city engr.

Calif., Los Angeles — Los Angeles Co. made plans improving California Ave. Impvt. 465, 4,898 cu.yd. excav., 148,952 sq. ft. Willite wearing surface on asphaltic concrete paving, etc. To exceed $70,000.

Calif., Los Angeles—Making plans concrete paving approximately 5 mi. portions of 54th St., Arlington and 1st Aves., etc. To exceed $25,000.

Calif., Madera—Madera Co. plans constructing road from Raymond to Mariposa Co. line, via Ahwahnee and from Knowles to Raymond. To exceed $25,000.

Calif., Marysville—Making plans paving, etc., 23 blocks alleys and 9 blocks various streets. $90,000.

Calif., Marysville—Making plans grading, paving, etc., portions of Pine, J and F Sts., etc. To exceed $25,000. L. B. Crook, city engr.

Calif., Newport Beach — Making plans paving, etc., Corona Del Mar. To exceed $100,000. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Calif., Redwood City—Koff Realty Co. plans grading, paving, curbing, walks, guttering, etc. White Oaks Tract. To exceed $25,000. G. A. Kneese, Courthouse, engr.

Calif., San Anselmo—F. D. Burrows, city clk., soon takes bids improving Florence and Oak Knoll Aves., 2,850 cu.yd. grading, 51,270 sq.ft. surface grading, 51,270 sq.ft. asphaltic paving, etc. H. E. Feusier, city engr.

Calif., San Bernardino — Making plans improving portions of Grant, Fairfax Aves., K St., etc., grading, 4 in. asphaltic concrete paving; 8 in. vitr. sewers, etc. To exceed $25,000. C. E. Johnson, city engr.

Calif., San Diego—Common Council plans improving 1st, Redwood and other Sts., 242,784 sq.ft. 1½ in. asphaltic concrete on 5 in. bituminous paving, 9,305 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous paving, 5,066 sq.ft. concrete sidewalk, 1,059 lin.ft. concrete curbing, 424 cu.yd. excav., etc. F. A. Rhodes, city engr.

Calif., Winters—Plans grading, concrete curbing and guttering, 1½ in. Willite asphaltic concrete on 2½ in. asphaltic concrete, paving portions of Railroad, 4th and Main Sts. To exceed $25,000. L. H. Gregory, city engr.

Ont., Ft. William—Plans graveling approximately 3 mi. various roads. Work will probably be done by day labor. $36,547. C. B. Symes, City Hall, engr.

Ont., Hamilton — Wentworth Co. plans concrete paving and improving Lynden, Brock, Sydenham, Dundas and Governors Rds. $60,000. A. Lumsden, County Bldg., Hamilton, engr.

Ont., Toronto—City Council plans concrete curbing and guttering and asphalt on concrete paving 5,000 sq.yd. Craven Rd. $29,608. R. C. Harris, City Hall, engr.

Ont., Toronto—East York Twp. making plans grading, curbing, guttering and asphalt on 6 in. concrete paving 3,950 ft. Pape Ave. from here to Don Mills Rd. $105,470. G. R. Jack, 443 Sammon Ave., engr.

Bids Desired

Conn., New Haven—See "Materials."

N. Y., Harrison—Mar. 20, at office Town Clerk, bituminous macadam paving 0.63 mi. Freemont St. from Harrison Ave. to West St. M. H. White, town supt. highways.

N. Y., New York — Mar. 25, by W. J. Flynn, acting pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., granite block on concrete paving Fordham Landing Rd., Harlem River Terrace, Cedar, East Tremont and Carter Aves., Bronx and East 176th Sts.; bituminous on concrete paving Garden and Miriam Sts.; grading, curbing and sidewalks on West 174th St.; sheet asphalt on concrete paving Bryant, Gerard and Rochambeau Aves., East 158th, 205th and 210th Sts.

New Jersey—Mar. 31, by Road Com. Salem Co., Court House, Salem, bituminous macadam paving Salem-Hancocks Bridge Rd., Sect. 2, in Elsinboro and Lower Alloways Creek Twps. H. B. Keasbey, Salem, co. engr.; adv. E. N.-R. Mar. 18.

N. J., Oakhurst—Apr. 1, by Ocean Twp., G. E. Van Note, chn., rein.-con. paving 0.35 mi. Edgmont Ave. between Norwood Ave. and Main St., Lock Arbour. J. W. Seaman, 192 Bway., Long Branch, engr.; adv. E. N.-R. Mar. 18.

Pa., Uniontown—Mar. 24, by E. Huston, controller Fayette Co., one course rein.-con. paving, etc., 8,200 ft. road, and 10,880 ft. Flat Rocks-Five Forks Rd., both 18 ft.

Pennsylvania—Apr. 6 and 7, by State Hy. Dept., Harrisburg, grading, rein.-con. or bituminous paving approximately 59 mi. roads in Berks, Butler, Crawford, Cameron, Clinton, Fayette, Indiana, Lackawanna, Lebanon, and Monroe Counties. W. H. Connell, engineering executive and deputy secy. of highways; adv. E. N.-R. Mar. 18.

Delaware—State Hy. Dept., Dover, Mar. 10, improving with (a) concrete (b) stone concrete (c) slag concrete (d) amiesite on concrete paving (*) metal joint (†) non metal joint, 0.81 mi. Grubbs Corner-Hamby Corner Rd., Contr. CN-24, from Juniata Co., Empire Bldg., Phila., Pa., (a*) $49,603 (a†) $49,475; 1.33 mi. road through Farmington, CK-33, from Old Lime Constr. Co., Chestertown, Md., (b*) $35,438 (b†) $35,019 (c*) $34,230 (c†) $33,811; 3.35 mi. CS-49, Gumboro, Maryland Line, from P. D. Phillups & Bro., Salisbury, Md., (b) $112,866 (c) $109,719; widening 3.66 mi. Pine Tree-Odessa Rd., Contr. 56, from F. W. Lovett, Newark, Del., (a) $37,377 (d) $43,665. Noted Feb. 18.

Maryland — Mar. 30, by State Roads Comn., Baltimore, concrete paving 9.52 mi. and 19.46 mi. concrete shoulders on roads in various counties; adv. E. N.-R. Mar. 18.

Md., Towson—Mar. 23, by Comrs. Baltimore Co., Courthouse, paving 2.03 mi. Group 3. Middletown and Graystone Rds., Old York Rd. from Graystone Rd. south, Old York Rd. from Graystone Rd. north. $61,000. S. A. Green, Towson, road engr.

North Carolina — Mar. 30, by State Hy. Dept., Raleigh, grading, concrete or asphaltic paving, etc. 13.73 mi. Project 550, Hoke Co. $249,740, 9.66 mi. Project 4350, Granville Co. $268,670, 4.76 mi. Project 9060, Buncombe Co. $165,108, 5.41 mi. Project 886, Rutherford Co. $186,000, 7.65 mi. Project 112, Camden Co. $219,400, and 6.04 mi. Project 6690, Rowan Co. $170,300; clearing, grubbing, grading, etc. 11.55 mi. Project 244, Jones Co. $73,414, 8.34 mi. Project 135, Halifax Co. $32,500, 13.35 mi. Project 685, Stanly Co. $87,590, 11.11 mi. Project 591, Rockingham Co. $65,515, 10.51 mi. Project 398, Robeson Co. $38,960, and 11.51 mi. Project 480, Wake Co $53,500; and clearing, grubbing, grading and topsoiling 7.6 mi. Project 574, Moore-Montgomery Counties, 44,195. C. M. Upham, Raleigh, engr.

N. C., Sylva—Mar. 23, by City, curbing, guttering, sidewalks and asphalt on concrete paving 40,000 sq.yd. various streets. G. C. White Co., Durham, engr.

N. C., Tabor—Mar. 31, by City, improving various streets, 15,500 sq.yd. paving 9,100 sq.yd. sidewalks, storm sewers, etc. $60,000. J. B. McCrary Eng. Corp., Citizens & Savings Bank Bldg., Atlanta, Ga., engrs.

N. C., Windsor—Mar. 25, by Bd. Comrs. Bertie Co., clearing, grading, topsoiling, etc., 12.25 mi. road from Hereford Co. line to Chowan River, $70,000; also 11 mi. road from Powellsville to Rice Mill, $65,000. S. W. Kenney, Windsor, clk.

Georgia—Apr. 2, by State Hy. Dept., East Point, **(F. A. P. means Federal Aid Project)**, sand clay surfacing 1.8 mi. Milledgeville-Irwinton Rd., F. A. P. 439-A, Baldwin Co., 3.1 mi. Abbeville-McRea Rd., F. A. P. 384-B, Dodge Co., and 2.4 mi. Patterson-Offerman Rd., incl. 2 bridges, F. A. P. 339, Pierce Co.; gravel surfacing 6.7 mi. Tipton-Valdosta Rd., F. A. P. 90-B, Cook Co.; grading 7.4 mi. Homerville-Naylor Rd., F. A. P. 431-A, Clinch Co. W. R. Neel, highway engr.

Ala., Birmingham — Apr. 15, by City Comn., **(e. e. means engineers estimate)**, asphalt on concrete paving 12 blocks Pike Rd., 60 ft. $51,800, 1 block 60th St., 40 ft. $2,150, 5 blocks 20th St. (Ensley), 40 ft. $16,000, 2 blocks 24th St. (Ensley), 40 ft. $3,350, 1 block 6th Way, (Ensley), 60 ft. $4,320, and 4 blocks Berwick Rd., 80 ft. $16,850; 4 ft. sidewalks, curbing and guttering 1 block 1st Ave., $2,000.

Ala., Tarrant City — Apr. 15, by City Clerk, asphalt on concrete paving 11 blocks East Lake Blvd., 40 ft., $46,000; curbing, guttering and 4 ft. sidewalks on 24 blocks Elizabeth Ave. $27,500, 5 blocks Birmingham St., incl. 40 ft. concrete bridge, $5,000; also guttering and 4 ft. sidewalks on 15 blocks Sloan Ave. $16,000.

Louisiana—Apr. 13, by State Hy. Comn., Baton Rouge, graveling 5.12 mi. Natchitoches-Boyce Highway, State Project 429-E, Natchitoches Parish. W. B. Robert, highway engr.

Tenn., Knoxville—Mar. 31, by City, F. A. Ault, recdr., curbing, guttering, sewering, sidewalks and paving 80,000 sq.yd. various streets; adv. E. N.-R. Mar. 18.

Kentucky—Apr. 12, by State Hy. Dept., Frankfort, low type surfacing 3.7 mi. Georgetown-Paris Rd., State Aid Project 32, Sect. A, and 3.5 mi. same road Sect. B, both 16 ft., Scott Co. E. N. Todd, highway engr.

O., Cleveland—Mar. 24, by Bd. Comrs. Cuyahoga Co., paving Mackenzie Rd. 2. $28,900. F. Lander, Court House, engr.

O., Columbus—Mar. 23, by W. H. Duffy, dir. Pub. Serv., grading, curbing, laying necessary water services, sewer connections and paving with (a) brick (b) concrete and (c) asphalt 448 ft. Gorman St., 33 ft. (a) $5,385 (b) $4,821; 800 ft. 22nd Ave., 26 ft. (a) $15,975 (c) $13,453; and 2,085 ft. Front St., 52.5 ft. (c) $43,154.

Indiana—Apr. 6, by Bd. Comrs. Lake Co., grading and paving William Doescher et al gravel road, Hanover Twp. $52,000. W. E. Whitaker, aud.

Ind., Auburn — Apr. 6, by Bd. Comrs. DeKalb Co., grading, graveling, etc., approximately 10,142 ft. Charles Keller et al Rd., Wilmington Twp., $10,220; 3 mi. Herman Ketel Rd., Union Twp.; and 10,689 ft. Charles Ridge et al Rd., Wilmington Twp., $10,000. F. Shook, co. aud.

Ind., Vincennes—Apr. 6, by Bd. Comrs. Knox Co., grading and concrete paving 3 mi. Mike Kaiser et al Rd., Vincennes Twp. $68,203. G. W. Donaldson, aud.

Ind., Warsaw—Mar. 24, by Comrs. Kosciusko Co., grading, graveling or macadamizing J. A. Bloom et al Rd., Jackson and Monroe Twps., $17,328; Russel A. Warner et al County Unit Rd., Turkey Creek Twp., $111,015; Jonathan Wyland et al Rd., Wayne Twp., $10,656. H. Breading, co. aud.

Michigan—Mar. 23, by State Hy. Dept., at church near east corner Sect. 35, Farmington Twp., Oakland Co., concrete paving 2.5 mi. Assessment District Rd. 467, Oakland and Wayne Counties. G. C. Dillman, Lansing, highway engr.

Michigan—Mar. 23, by State Hy. Dept. at office Comrs. Calhoun Co., Marshall, graveling 4.867 mi. Lee Center Rd., and 2.611 mi. Pennfield Rd. in Bedford Twp. G. C. Dillman, Lansing, highway engr.

Michigan—Mar. 25, by State Hy. Dept. at office Comrs. Clinton Co., St. Johns, graveling 3.5 mi. County Assessment Dist. Rd. 21. G. C. Dillman, Lansing, highway engr.

Michigan—Mar. 26, by State Hy. Comn., at schoolhouse near southwest corner Sect. 30, Sterling Twp., concrete paving 13 mi. Assessment Dist. Rd. 462, Macomb and Oakland Counties. G. C. Dillman, Lansing, engr.

Illinois—See "Bridges."

Illinois — Mar. 31, by State Dept. Pub. Wks. & Buildings, Div. Highways, Spring-

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Streets and Roads (Continued)

field, concrete, vitr. brick, or bituminous concrete with or without binder course surfacing 9.75 mi. Route 9, Sect. 30 Hancock Co., 7 mi. Route 16, Sect. 23 Madison and Macoupin Counties, 0.1 mi. Route 16, Sect. 23-X, Macoupin Co., 0.53 mi. Route 19, Sect. 86-W-2 Cook Co., 1.96 mi. Route 30, Sect. 1 Peoria Co., 4.21 mi. Route 30, Sect. 2, 4.73 mi. Sect. 7, 7.08 mi. Sect. 8, Peoria Co., 7.49 mi. Route 31, Sect. 14 Schuyler Co., 9.22 mi. Route 40, Sect. 10 Jo Daviess Co., 8.64 mi. Route 40, Sect. 11 Carroll and Jo Daviess Counties, all foregoing 18 ft. wide; gravel surfacing 3.93 mi. Route 31, Sect. 14, Schuyler Co.; grading 1.24 mi. Route 1, Sect. 42-A, Saline Co. 0.5 mi. Route 12, Sect. 17-V-1 Marion Co., and 0.64 mi. Route 13, Sect 13-A, Jackson Co. F. T. Sheets, highway engr.

Ill., Chicago—Mar. 23, at office Bd. Local Impvts., Room 207, City Hall, grading, curbing, guttering, sewers and concrete, granite block, asphalt on concrete, etc. surfacing portions of Walden Parkway, West 109th and West 77th Places, North Francisco, Morse, South Winchester, Mansfield, Harper, Black Stone, Dante, Dorchester, Kenwood and Kimbark Aves., Howard, Madison, South May, East 70th, West 34th, West 98th, Arthington, Filmore, East 88th, 89th and 90th Sts. J. J. Sloan, pres.

Ill., Lake Forest—Mar. 24, at office J. S. King, city clk., curbing, sidewalks and vibrolithic concrete paving 9,660 sq.yd. and 7,640 ft. 4- to 36-in. vitr. tile sewers, etc., in various streets.

Ill., Wenona — Mar. 23, by Bd. Local Impvts., City Hall, grading, curbing, guttering and 7-in. rein.-con. paving, etc., 25,318 sq.yd. streets in Paving Dist. 2. Taylor & Woltman, Unity Bldg., Bloomington, engrs.

Wisconsin—Mar. 25, by State Hy. Dept., at Div. Office 4, Citizens Natl. Bank Bldg., Wisconsin Rapids, grading, bridging, and gravel surfacing 6.25 mi. New Lisbon-Sparta Rd., Juneau Co.; grading, bridging and clay surfacing 15.21 mi. Kilbourn-Wisconsin Rapids Rd., Federal Aid Project 394-A, Adams Co., and 4.06 mi. same road, Federal Aid Project 394-B, 1.33 mi. Blenker-Sperry Rd. and 1.06 mi. Hewitt Rd., Wood Co. J. T. Donaghey, Madison, ch. engr.

Wisconsin—Mar. 26, by State Hy. Comn., Div. Office 3, Nicolet Bldg., Green Bay, grading and concrete paving, etc., 101,596 sq.yd. Oshkosh-Fremont Rd., Federal Aid Project 393-A, Winnebago Co.; 37,302 sq. yd. Kewaunee-Manitowoc Rd., Federal Aid Project 367-A, Kewaunee Co.; and 36,995 sq.yd. Shawano-Bonduel Rd., Federal Aid Project 345-B, Shawano Co. J. T. Donaghey, Madison, ch. engr.

Wis., Beloit—Mar. 22, by Bd. Pub. Wks., grading, curbing, guttering, one course rein.-con., vibrolithic, sheet asphalt on 5 in. concrete, vibrolithic concrete or asphaltic concrete on 5 in. concrete paving 15 streets. G. E. Heebink, City Hall, engr.

Wis., Burlington—Mar. 31, by A. Zechel, city clk., concrete and vibrolithic concrete paving 9,684 sq.yd. Wilmot Ave. $25,000.

North Dakota—Mar. 30, by State Hy. Dept. and Bd. Comrs. Renville Co., at Court House, Mohall, grading, etc., 6.012 mi. Federal Aid Project 288-B. C. Christensen, comr.

Ia., Cedar Rapids—Mar. 29, by City, 2 in. asphalt resurfacing 30,200 sq.yd. various streets. $55,000. J. L. Storey, city clk. Noted Mar. 11.

Ia., Monona—Mar. 23, by W. F. Humphrey, town clk., grading curbing, guttering and rein.-con., vibrolithic concrete, asphaltic concrete, Warrenite bitulithic or brick on concrete paving 14,600 sq.yd. North Center, Iowa, Page and Main Sts. H. R. Green Co., 208-210 Beaver Bldg., Cedar Rapids, engrs.

Ia., Winterset—Mar. 23, by R. W. Varley, aud. Madison Co., improving 5.3 mi. Primary Rd. 15, 72,397 cu.yd. excav., 61,100 cu.yd. overhaul, 2,200 ft. 6 and 8 in. tile, etc. T. S. Farquharson, Court House, engr.

Minn., Winona—Mar. 22, by G. W. Hofmann, city recdr., improving various streets, 8,000 ft. concrete curbing, 19,987 sq.yd. various types paving, and 38,692 sq.yd. bituminous on old brick paving. $95,000. E. E. Chadwick, city engr.

Kan., Newton—Apr. 6, by Clerk Harvey Co. grading and concrete or vitr. brick surfacing 42,800 sq.yd. Federal Aid Project 329-A. A. Hay, Newton, engr. Noted Mar. 4.

Nebraska—Mar. 20, by Peterson & De Voe, attys., Bankers Life Bldg., Lincoln, clearing, grubbing, grading, etc., 78,500 cu. yd. between Waverly and Havelock, for Lincoln Sanitary Dist., Lancaster Co. (Lincoln). $25,000. Scott & Scott, Bankers Life Bldg., Lincoln, engrs.

North Dakota — Mar. 23, by State Hy. Dept. and Bd. Comrs. Oliver Co., Center, grading, etc., 5.12 mi. Federal Aid Project 314-A. C. Christensen, highway comr.

North Dakota—Mar. 31, by State Hy. Dept. and Bd. Comrs. Bottineau Co., Bottineau, grading, etc., 15.026 mi. Federal Aid Project 288-A. C. Christensen, highway comr.

North Dakota — Mar. 31, by State Hy. Dept. and Comrs. Bottineau Co., at Court House, Bottineau, grading, etc. 12.908 mi. Federal Aid Project 289. C. Christensen, comr.

North Dakota — Apr. 1, by State Hy. Dept. and Bd. Comrs. Towner Co., Court House, Cando, grading, etc. 8.484 mi. Federal Aid Project 311-B. C. Christensen, highway comr.

North Dakota — Apr. 2, by State Hy. Dept. and Comrs. Benson Co., Court House, Minnewauken, grading 17.243 mi. Federal Aid Project 291-A. C. Christensen, comr.

North Dakota—Apr. 6, by State Hy. Dept. and Comrs. McLean Co., Court House, Washburn, grading 11.75 mi. Federal Aid Project 317. C. Christensen, comr.

North Dakota—Apr. 6, by State Hy. Dept. and Bd. Comrs. McLean Co., Washburn, grading etc. 7.096 mi. Federal Aid Project 316-AB. C. Christensen, highway comr.

North Dakota — Apr. 9, by State Hy. Dept. and Bd. Comrs. Rolette Co., Court House, Rolla, gravel surfacing, etc. 4.874 mi. Federal Aid Project 194-B. C. Christensen, highway comr.

Mo., Clayton—Mar. 24, by R. Jablonsky, engr. St. Louis Co., Court House, grading, and telford macadam paving, etc., Leenore, Boswell and Viehl Aves.

Mo., Milan—Mar. 29, by J. T. Morehead, city clk., grading, curbing, guttering and vibrated concrete paving 8,040 sq.yd. 3rd St. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engrs. Noted Jan. 7.

Mo., St. Louis—Mar. 30, by Bd. Pub. Serv., 208 City Hall, widening and Warrenite bitulithic concrete surfacing 34,190 sq.yd. Jefferson Ave. $202,440; asphalt resurfacing 15,050 sq.yd. Grand St., $79,000; concrete paving, etc. 1,940 sq.yd. Newby St., $14,600; rein.-con. paving, etc. 1,990 sq.yd. Compton St., $6,600; Warrenite bitulithic concrete paving 2,550 sq.yd. Pennsylvania Ave. $39,720, and 8,400 sq.yd. 10th St., $54,720. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Apr. 6, by Bd. Pub. Serv., 208 City Hall, grading and concrete paving approximately 25,000 sq.yd. alleys in City Blocks 2776 N, 2986, 3783, 4053 B, 4058 E, 4500 A, 4849 W, 4974, 4942, 5124, 5132, 5134, 5282, 5293, 5302, 5429 C, 5529, 5542, 5544 and 5683. $69,860. W. W. Horner, City Hall, engr.

Mo., Unionville—Mar. 31, by O. B. Calhoun, city clk., City Hall, 6 in. rein.-con. on vibrated concrete paving etc., approximately 11,139 sq.yd. Main, Grant, 7th and 16th Sts. E. T. Archer & Co., New England Life Bldg., Kansas City, engrs.

Tex., Brownsville—Cameron Co. taking bids grading, and bridging 24.41 mi. Highway 100, State Aid Project 647. $68,000. W. O. Washington, Brownsville, co. engr.

Tex., San Antonio—Mar. 22, by I. Ewig, city engr., City Hall, hard paving Buena Vista Ave. from Hamilton to Medina Sts., 45 ft., for City. $100,000.

Okla., Stillwater—Mar. 23, by H. Moore, city clk., grading, curbing and concrete paving 8,800 sq.yd. East 6th St. $26,640. R. G. Sexton, Stillwater, engr.

Idaho — Mar. 26, by State Hy. Dept., Boise, improving 3.377 mi. Old Oregon Trail Highway, Federal Aid Project 86-B, Canyon Co., 10,955 cu.yd. earth, 146 cu.yd. solid and 759 cu.yd. loose rock excav., 13,593 sta.yd. overhaul, 2,701 cu.yd. crushed rock or gravel surfacing, 35,614 sq.yd. paving, etc.

Arizona — Mar. 29, by W. C. Lefebvre, state engr., Phoenix, improving Yuma-Gila Bend Highway, Federal Aid Project 82-B, 88,900 cu.yd. roadway excav., 42,500 cu.yd. borrow, 1,290 cu.yd. structural excav., 3,900 cu.yd. ditches, 8,200 sta.yd. overhaul, 15,000 cu.yd. surfacing, etc.

Washington—Mar. 30, by State Hy. Dept., Olympia, **(S. R. means State Road)**, crushed rock surfacing, etc. Federal Aid Project 157-A, S.R. 3, north from Dayton Columbia Co., 8,000 cu.yd. S.R. 3 between Addy and Chewelah Stevens Co., 8,210 cu.yd. S.R. 8 between Bickelton and Mabton Hill Klickitat and Yakima Counties, 13,000 cu.yd. S.R. 2 east and west from Davenport and about 5 mi. S.R. 22 north from Davenport, all in Lincoln Co.; crushed gravel surfacing 5,000 cu.yd. S.R. 3 east and west from Richland, Benton Co.; grading, etc. 116,300 cu.yd. S.R. 3 between Mill Creek and Lowden, Walla Walla Co.; and concrete paving, etc. 60,000 sq.yd. S.R. 3 west from Kennewick, Benton Co. J. W. Hoover, ch. engr.

Wash., Montesano—Mar. 27, by Comrs. Grays Harbor Co., grading and gravel surfacing 3 mi. Upper Washkah Rd. $27,000. J. H. Kirkwod, Montesano, engr.

Wash., Pasco—Mar. 25, by Bd. Comrs. Franklin Co., grading 4 mi. each Ringold-Muir Rd. and Permanent Highway 14. L. L. Geeslin, Pasco, engr.

Wash., Wenatchee — Mar. 25, by City Comrs., improving Columbia-Yakima St., 12,000 cu.yd. grading, 23,400 sq.yd. 8 in. and 7,700 sq.yd. 7 in. concrete paving, etc. H. J. Smith, city clk.

Calif., Los Angeles—Mar. 29, by Supervs. Los Angeles Co., improving portion of College and Ocean Aves., etc., Impvt. 247, 26,075 cu.yd. excav., 574,821 sq.ft. 6- to 8-in. sectional concrete paving 593,585 sq.ft. 6 in. disintegrated granite and oil macadam subbase, etc.; also portions of Ocean Ave., Impvt. 416, 3,851 cu.yd. excav., 11,475 6 x 9 x 15 in. and 4,593 6 x 10 x 18 in. curbing, 54,739 sq.ft. walks, 54,765 sq.ft. 6 in. and 7,665 sq.ft. 8 in. guttering, etc. To exceed $35,000.

Calif., Martinez — Apr. 5, by Supervs. Contra Costa Co., grading, etc. 8,500 cu.yd. Harbor Blvd. R. R. Arnold, Martinez, co. surv.

Calif., Oroville — See "Contracts Awarded."

Calif., San Diego—Mar. 29, by Common Council, improving Louisiana St., 114,912 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving, 3,732 sq.ft. concrete sidewalk, 77 lin.ft. concrete curbing, etc. F. A. Rhodes, city engr.

Bids Received

N. J., Newark — Repaving Clifford St. from Jefferson St. to Wheeler Point Rd. and Thomas St. from Ave. C to Jefferson St., from Standard Bitulithic Co., 194 Washington Ave., $54,033 and $15,477 respectively; also North 7th St. from 3rd to Bloomfield Aves., from J. B. Gilligan-Casey Co., 972 Broad St., $38,147.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, Mar. 9, from R. B. Werner, 2313 Walnut St., grading Afton Faunce and Loney Sts. $9,379, Kingsley St. $802, 12th and Rittner Sts. $1,383, from Belmont Auto Trucking Co., 6118 Pine St., Aldine, Bleigh, Cottage, Erdrick, Faunce, Jackson, Loring, Marple, Napfle, Oakmont, Shelmire, Teesdale, Tudor, Vista and Walker Sts. $90,433, from Morrisey Bros., 4345 North 7th St., Andrews, Georgian, 19th and 20th Sts. $19,944, from Root Bros., Ridge Ave. and Righter St., Aurania, Bean, Evergreen, Lare, Parker and Summit Sts. $9,266, from F. Mark Contg. Co., N and Winghocking Sts., Belfield and Cliveden Sts. $20,471, from Butler & Orlando, 5747 Vine St., Cemetery Ave., Chelwynde, Este, Guyer, Island, Sylmar, 57th, 58th, 65th, 68th, 69th and 74th Sts. $22,556, from J. F. Nolen & Sons, 64 Church Lane, Colonial, Smedley and 16th Sts. $12,418, from J. H. McKay, 4437 North 9th St., Gates St. $5,681, and Glen Echo St. $20,150, from T. Conner, 3621 North 5th St., Large and Longshore Sts. $3,382, Philmont St. $7,926, from Dewees Bros., 5th St. and Fishers Ave., Penn, Tilden and Vaux Sts. $35,070, from McCarrick Bros., 3240 North Fox St., 31st, 34th, Spangler and Westmoreland Sts. $5,253, from L. Dolente, 5122 Master St., 68th St. $12,228; from Barber Asphalt Co., 239 North 30th St., asphalt paving (assessment work) Bowman and Vaux Sts. $316,112, Sherwood and 69th Sts. $22,079, 21st St. $8,345, Dudley, Hoffman and Wilder Sts. $19,687, hiring 5 ton rollers $4,350; from Mack Paving & Constr. Co., Nicetown Lane and Luzerne Sts., asphalt paving (assessment work) 20th St. $14,572, asphalt repaving Clarion and Page Sts. $8,466; from Union Paving Co., 30th and Locust Sts., surfacing Terminal and 11th Sts. $139,914; from Eastern Asphalt Co., Penn Bldg., asphalt repaving Susquehanna St. $36,976; from United Paving Co., Real Estate Trust Bldg., redressed granite block repaving (track area) Baltimore St. $10,893, (track area) 16th St. $31,910, from Acchione & Caruso Paving Co., 804 South 12th St., 11th St. $60,825; from Good Roads Equipment Co., 1504 Locust St., repairing Lutz asphalt heaters $7,500; from E. Garlick, Sr., 2948 East Venango St., hiring motor trucks $24,900; and from West Jersey Sand & Supply Corp., Delaware Ave. and Marborough St., 2,000 tons Portland cement $17,500. Noted Mar. 4.

Maryland — State Rds. Comn., Garrett Bldg., Baltimore, Mar. 9, oiling roads in Group 3 66,430 gal. oil, Montgomery, Prince George and St. Marys Counties, and Groups 4 and 7, 146,451 gal. oil, Baltimore and Harford Counties, from E. P. Pendleton, 16 South Calverton Rd., $8,503 and $18,089 respectively; 62,955 gal. roads in Groups 1 and 2, Caroline, Cecil, Queen Annes, Wicomico and Worcester Counties, from U. G. I. Co., Broad and Arch Sts., Phila., Pa., $8,354; 90,075 gal. in Group 6, Allegany, Frederick, Garrett and Washington Counties, from Atlantic Refining Co., 291 Bway., New York City, $12,277; 176,757 gal. roads in Group 5, Carroll,

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Streets and Roads (Continued)

Frederick, Howard and Montgomery Counties, from Earle & Lansdale Co., 173 Main St., Hackensack, N. J., $22,377; and 182,478 gal. in Group 3, Anne Arundel, Calvert, Charles and St. Marys Counties, from Barrett Co., Warwick and Mulberry Sts., Baltimore, $27,189. Noted Feb. 25.

Md., Baltimore — Bd. Awards, Mar. 19, concrete paving 4,160 sq.yd. streets listed in Contr. 313 and 6,300 sq.yd. in Contr. 312, from Arundel Constr. Co., Knickerbocker Bldg., $10,425 and $18,116 respectively; sheet asphalt paving 12,200 sq.yd. in Contr. 310, from Amer. Paving & Constr. Co., Montebello Ave. $32,975, 6,950 sq.yd. Contr. 311, from P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R., (a) $57,791, (b) and from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $69,300. Noted Mar. 4.

Md., Towson—Baltimore Co., Courthouse, concrete paving 1.17 mi. Worthington Ave., and 0.2 mi. Tufton Ave., (Group 2), from H. T. Campbell & Sons Co., Towson, $38,-757. Noted Mar. 4.

O., Cincinnati — Comrs. Hamilton Co., grading, guttering and concrete paving 18,-320 sq.yd. Camargo Pk. from corporation line of Cincinnati to corporation line of Maderia, from Biegler Bros., Franklin, $119,068. Engrs. est. $130,623. Noted Mar. 11.

Michigan—Jackson Co., graveling 1.8 mi. road in Blackman Twp. from W. E. Bowler, Clare, $13,670; grading and graveling 2 mi. road in Rives Twp. from Briggs & Worden, Dansville, $13,792, grading above road and 3 mi. connecting road through Sandstone and Spring Arbor Twps., from Hudson & Coons, Lansing, $6,004 and $9,972 respectively, 2.7 mi. road Halls Corners-County line Rd., Concord Twp., from Kline Bros., Mendon, $16,482.

Wis., Chilton — A. J. Pfeffer, city clk., Mar. 2, grading, curbing, guttering and paving 11,500 sq.yd. 5 streets, from F. Radloff Co., Plymouth, one course concrete $2.22 per sy.yd., two course concrete $2.41 and vibrolithic concrete $2.37; from F. P. Coughlin Co., 1735 Fullerton Ave., Chicago, Ill., asphaltic concrete $3 per sq.yd. and sheet asphalt $3.10. Noted Jan. 28.

Wis., Kenosha—C. M. Osborn, city mgr., Feb. 25, from Ford Paving Co., Cedar Rapids, Ia., improving various streets, 68,-560 lin.ft. concrete curbing and guttering at $0.69 per lin.ft., 52,100 cu.yd. excav. $0.50, 106,600 sq.yd. brick paving $3.30 and $3.60, sheet asphalt $2.28; and from Bryant Paving Co., Waterloo, Ia., asphaltic concrete paving $2.03, and rein.-con. paving $2.05. Noted Jan. 14.

Minn., St. Paul—A. E. Eggert, city purch. agt., approximately 7,473 sq.yd. 3 in. brick on 7 in., 8,867 sq.yd. brick on 8 in. concrete and 7,135 sq.yd. sheet asphalt paving South Robert St. between Fillmore Ave. and Congress St., from Fielding & Shepley, 216 University Ave., $63,449. Noted Feb. 25.

Neb., Omaha — J. P. Hoctor, city clk., Mar. 2, paving with (a) asphalt (b) brick (c) asphaltic concrete (1) 905 yd. Dist. 2347 (2) 3,048 yd. Dist. 2564 (3) 3,069 yd. Dist. 2582 (4) 896 yd. Dist. 2798 (5) 3,085 yd. Dist. 2822 (6) 1,645 yd. Dist. 2842 (7) 1,170 yd. Dist. 2844 (8) 1,047 yd. Dist. 2851 (9) 1,333 yd. Dist. 2852 (10) 816 yd. Dist. 2854 (11) 641 yd. Dist. 2860 (12) 3,117 yd. Dist. 2895 (13) 3,015 yd. Dist. 2900 (14) 1,017 yd. Dist. 2901 (15) 4,162 yd. Dist. 2917 (16) 5,106 yd. Dist. 2935 (17) 13,075 yd. Dist. 2957 (18) 916 yd. Dist. 2958 (19) 1,062 yd. Dist. 2970 (20) 1,161 yd. Dist. 2975, and (21) 6,283 yd. Dist. 2977, from J. Kern Constr. Co., 1809 Dodge St., (a1) $2.71 per yd. (a4) $2.71 (a7) $2.58 (c7) $2.29 (a10) $2.60 (c10) $2.43 (a11) $2.71 (a12) $2.59 (c12) $2.27 (a13) $2.59 (c13) $2.27 (a14) $2.55 (c14) $2.22 (a15) $2.59 (c15) $2.27; from J. Sherlock, 1805 Dodge St., (c1) $2.43 (a3) $2.57 (c3) $2.27 (c4) $2.44 (a6) $2.59 (c6) $2.29 (a8) $2.59 (c8) $2.29 (a9) $2.59 (c9) $2.29 (c11) $2.44 (a19) $2.59 (c19) $2.29 (a20) $2.59 (c20) $2.29 (a21) $2.62; from G. Parks Constr. Co., 310 Karbach Bldg., (b1) $3.05 (b4) $3.09 (b6) $3.05 (b7) $3.05 (b8) $3.05 (b9) $3.05 (b10) $3.05 (b11) $3.09 (b12) $3.05 (b13) $3.05 (b14) $3.05 (b15) $3.05 (a18) $2.83 (b18) $3.05 (b20) $3.05 (b21) $3.04 (c21) $2.26; from J. J. Parks Co., (b1) $3.05 (a2) $2.54 (b8) $3.05 (c2) $2.21 (b3) $3.05 (b4) $3.09 (a5) $2.51 (b5) $3.05 (c5) $2.20 (b6) $3.05 (b7) $3.05 (b8-9-10-12-13-15) $3.05 each (a16) $2.53 (b16) $3.05 (c16) $2.22 (b17) $3.03 (a18) $2.83 (b18) $3.05 (c18) $2.53 (b19) $3.03 (b20) $3.05; and from Natl. Constr. Co., 310 Arthur Bldg., (a17) $2.54 and (a21) $2.62. Noted Feb. 25.

Colorado—State Hy. Dept., Denver, Feb. 25, gravel surfacing 3.877 mi. Federal Aid Project 213-D, La Plata Co., from Wood Morgan & Burnett Co., Durango, $50,341, 1.779 mi. Federal Aid Project 298-A, Archuleta Co., from J. A. Duncan, 2011 North Royer St., Colorado Springs, $22,466; also bridging and gravel surfacing 2.727 mi. Federal Aid Project 258-B, Gunnison Co., from Lambie-Bate Constr. Co., 2311 10th St., Denver, $65,374.

Calif., Colusa—Colusa Co., Mar. 2, grading, graveling, 3 in. asphaltic concrete paving 505,000 sq.yd. East Side Rd., from Force, Currigan & McLeod, Syndicate Bldg., Oakland, $50,517; 3 in. asphaltic concrete paving 293,000 sq.ft. Prize College City Rd., from Valley Paving & Constr. Co., Visalia, $31,937. Noted Jan. 28.

Calif., Glendale — Mar. 18, by City Trustees, improving Ivy St. and San Fernando Rd., 34,114 sq.ft. grading, 16,375 sq. ft. 5 in. oil macadam paving, 3,219 sq.ft. 8 in. concrete paving, etc.

Calif., Los Angeles—From W. J. Curren, 221-A Bway. St., improving Virginia Ave. and Wilton Pl., 198,740 sq.ft. 6 in. concrete paving $0.1875 per sq.ft., etc., total $43,950; from Brookman & O'Brien, 1566 Murray Circle, portion of Whitmore Ave., grading $5,000, 61,515 sq.ft. concrete paving $0.208, etc., total $34,705; from G. H. Oswald, 366 East 58th St., improving Verdon Ave. between Adams and Jefferson Sts., 35,400 cu. yd. cut $32,000, 746,817 sq.ft. 5½ in. Warrenite paving $0.238 per sq.ft., sanitary sewer $60,000, etc., total $319,085.

Calif., San Diego—Common Council, Mar. 8, from G. R. Daley, 4430 Boundary St., improving Louisiana and Texas Sts., 102,-699 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving, $0.219 per sq.ft., 5,172 sq. ft. concrete sidewalk $0.22, 1,170 lin.ft. concrete curbing $0.65, etc., total $29,655; from L. J. Turner, 205 East 1st St., Long Beach, Upas, Palm, Nutmeg Sts., etc., 12,-184 cu.yd. excav. $0.68, 450,842 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving $0.1765, 49,450 sq.ft. concrete sidewalk $0.17, and 10,312 lin.ft. concrete curbing $0.60, etc., total $138,581. Noted Feb. 25.

Calif., Santa Ana—Supervs. Orange Co., Mar. 2, 4 ft. concrete slab widening Santa Ana Canyon Rd., from United Concrete Pipe & Constr. Co., P. O. Box 6, Ventura, $75,150. Noted Feb. 25.

Contracts Awarded

N. J., Newark—Repaving Frelinghuysen Ave. from Miller to Dayton Sts., to J. B. Gilligan-Casey Co., 972 Broad St., Newark, $306,928.

N. J., Newark — To Standard Bitulithic Co., foot Brill St., Newark, grading, curbing and sheet asphalt paving Chapman St. $17,-891, Fleetwood Pl. $11,844, Netherwood Pl. $18,701, Mt. Vernon Pl. $20,862, and Noble St. $13,260; to J. B. Gilligan-Casey Co., 972 Broad St., paving Ellery Ave. $43,379; to Delaney & Sons, 349 Parker St., grading when and where directed in Port Newark, $21,150. Total $147,087.

Md., Towson — Baltimore Co., concrete paving 1.22 mi. Pittsburg Ave. from Dundalk to Sollers Point, to Christhiff & Ensey, 1625 Ridgely St., Baltimore, $38,009. Noted Mar. 11.

Virginia — State Hy. Comn., Richmond, grading, bridging and surfacing 5.5 mi. Route 32, Project F-153-A, Charlotte Co., to C. R. Sanderson, Cartersville, $26,006; 4.6 mi. Route 12, Sect. F-186-B, Pittsylvania Co., to Allport Constr. Corp., Richmond, $104,655; 2.7 mi. Route 111, Project S-299-A, Buchanan Co., to Brown, Murphy, Wright Co., Princeton, W. Va., $49,710; 3.5 mi. Route 37, Project F-407, Richmond Co., to Bettershill & Goode, Virgilina, Va., $19,415; 7.5 mi. Route 31, Project F-420-A, Dinwiddie Co., to Weinbrunn & Carpenter, Chester, $224,751. Grand total $424,537. Noted Feb. 1.

W. Va., Milton—Common Council, 3 in. brick on 5 in. concrete paving Smith and other streets, to Gershaw & McGinnis, 1748 12th St., Huntington, $45,000. Noted Feb. 4.

North Carolina — State Hy. Dept., Raleigh, to Coastal Constr. Co., Henderson, improving 1.3 mi. Project 423, Franklin Co., 2,400 cu.yd. common excav. and borrow at $0.60 per cu.yd., 13,750 sq.yd. concrete $1.65, 12,220 sq.yd. asphaltic concrete $1.03, total $36,714; to W. E. Graham, Mt. Ulla, 4.7 mi. Project 838, Henderson Co., 19 acres clearing $50, 500 cu.yd. drainage ditch excav. $0.60, 55,200 cu.yd. common rock and borrow excav. $0.55, etc., total $38,913; to J. F. Mulligan Constr. Co., North Wilkesboro, clearing, grading and gravel on broken stone surfacing 6.86 mi. Project 715, Ashe Co., $118,854. Grand total $194,481. Noted Feb. 18.

Florida — State Rd. Dept., Tallahassee, broken stone base on Projects 617 and 618, Alachua Co., to L. M. Gray, New Smyrna, $225,566; clearing, grubbing, grading, etc. Project 644-A, Wakulla Co., to Gillis Constr. Co., Chipley, $43,061; rein.-con. structures on Project 633-B, Gadsden Co., to Montgomery & Parker, Rockport, Ind., $35,993. Grand total $304,620. Noted Feb. 11.

Ala., Birmingham — City Comn. (e. e. means engineers estimate) asphalt paving 4 blocks 7th Ave. S and 18th St. S., 60 ft., to J. L. Mullarkey, 2400 Ave. J. (Ensley), $10,004, e. e. $14,300; 6 blocks 20th St. and Ave. J. (Ensley), 40 ft., to Morgan-Hill Paving Co., Woodward Bldg., $22,348, e. e. $26,580; 3 blocks 59th St. N., 60 ft., to Independent Paving Co., Amer. Trust Bldg., $8,371, e. e. $8,150; 6 blocks Pike Rd., 40 ft., to H. N. Bowdry, Alabama Power Co. Building, $22,712, e. e. $47,150; 3 blocks 17th St. N., 40 ft., to Federal Asphalt Paving Co., Amer. Trust Bldg., $6,984, e. e. $8,300; 2 blocks 25th St. N., 60 ft., and 2 blocks 15th Ave. N., 40 ft., to Dunn Constr. Co., Chamber Commerce Bldg., $6,743 and $11,111 respectively, e. e. $8,050 and $12,600 respectively. Grand total $88,273. Noted Feb. 4 and 11.

Miss., Columbus—C. M. Reeves, city clk., grading, curbing, guttering and sheet asphalt on concrete paving 40,000 sq.yd. various streets, to Morgan-Hill Constr. Co., Woodward Bldg., Birmingham, Ala. Noted Feb. 25.

Miss., Quitman — Bd. Supervs. Clarke Co., improving 14.724 mi. Federal Aid Projects 78-A and 83-B, 87,118 cu.yd. excav., 43,965 cu.yd. borrow, 1,025 ft. 15 and 18 in. culvert pipe, 72,249 lbs. reinforcing, etc., also bridges over 20 ft. span, to Champenois & Blanks, Meridian, $110,-813. Noted Feb. 18.

La., Shreveport—Asphaltic concrete paving about 5 blocks Creswell St. from Stephenson St. to city limits, to Flenniken Constr. Co., Shreveport, $25,709.

O., Akron—W. F. Peters, dir. Pub. Serv., grading, curbing and vitr. brick paving, etc., 2,400 sq.yd. Moreley Ave., to Columbus Asphalt Paving Co., 304 Buckeye Bldg., $19,242. Engrs. est. $25,000. Noted Mar. 11.

O., Akron—W. F. Peters, dir. Pub. Serv. (e. e. means engrs. est.), grading, curbing, sidewalks and vitr. brick paving 1,255 sq.yd. Portage Dr. and 1,655 sq.yd. Dorchester Rd., to Columbus Asphalt Paving Co., 304 Buckeye Bldg., $7,818 and $12,800 respectively, e. e. $9,500 and $14,600 respectively, 2,680 sq.yd. Oakland Ave., and 5,925 sq.yd. Berwin St. et al, to McCourt Constr. Co., 369 South Main St., $13,577 and $37,-524 respectively, e. e. $17,000 and $47,600 respectively, 2,940 sq.yd. Alfaretta Ave. and 3,500 sq.yd. Ruby Ave., to T. E. McShaffrey Constr. Co., 173 South Forge St., $19,342 and $24,861 respectively, e. e. $23,700 and $30,350 respectvely; grading and cinder-ing, etc., 525 cu.yd. Ranney St., to T. Zuppa, 55 North 11th St., Kenmore, $6,088, e. e. $7,600, 800 cu.yd. Tulip St., to M. Kalain, 573 Wilson St., $5,666, e. e. $7,000, 1,200 cu. yd. Whitney Ave. and 375 cu.yd. Whittier Ave., to Guran & Brancich, 429 Matthews St., $10,903 and $3,587 respectively, e. e. $13,600 and $4,200 respectively. Grand total $142,166. Noted Feb. 18.

O., Columbus—Comrs. Franklin Co., to W. C. Moore, Marysville, grading and bituminous macadam paving 1.904 mi. Joyce Ave. $57,773, waterbound macadam paving 1.75 mi. Cassady Ave. $42,273, 2.42 mi. Livingston Ave. $56,128, to J. M. Snouffer, 2175 Tremont Rd., 1.05 mi. Avery Rd., Impvt. 3 $16,543, to R. K. McNamara, Delaware, 0.89 mi. East College Ave. $17,-463, to W. M. Gray, 408 Fairwood Ave., 1.23 mi. Rogers Rd. $33,768, to S. M. Wooly Marion, 0.42 mi. Strimple Rd. $13,671 and bituminous macadam paving 1.824 mi. Impvt. 2, Indianola Ave. Rd. $42,128. Grand total $279,747.

O., Dayton — Comrs. Montgomery Co., concrete, sheet asphalt, rock asphalt or macadam paving College Hill Plat, to W. I. Anderson, New Troy Pike, $57,825; Hoover Ave., to W. S. Little, 1209 Everett Dr., $80,213; streets in Belmont Plat, to C. C. Adams, 415 Kenwood Ave., $66,781; and Fairview Ave., to R. P. Sebold, Ludlow Bldg., $56,213. Grand total $261,032. Noted Feb. 25 and Mar. 4.

Mich., Muskegon—To Globe Constr. Co., 462 Portage St., Kalamazoo, sheet asphalt on concrete paving 4,374 sq.yd. 3rd St., H-81 $6,667, 2,071 sq.yd. Schuyler St., H-158 $9,430, 5,725 sq.yd. Forest Ave. and Clinton St., H-169 $7,900, and 3,988 sq.yd. Merrill Ave., H-187 $17,297; to Whitlowe & Hobeck, South Haven, concrete paving 4,850 sq.yd. Larch Ave., H-136 $15,434, 3,101 sq. yd. East Southern Ave., H-179 $10,237, 2,509 sq.yd. Delaware Ave., H-181 $8,422, 2,570 sq.yd. West Southern Ave., H-185 $8,390, and 5,769 sq.yd. Nims St., H-194 $15,846; to O. P. Carpenter, 800 Sanford St., Muskegon, 3,118 sq.yd. Moon St., H-83 $10,074. Grand total $109,697. Noted Feb. 18.

Ill., East St. Louis — Grading, curbing, sewers, guttering and 8 in. concrete paving 3,860 sq.yd. 42nd St., to Moore Constr. Co., 925 North 8th St. Engrs. est. $27,700. Noted Feb. 25.

Ill., Macomb—Grading, curbing and brick on concrete paving 8,505 sq.yd. East Pierce St., to F. J. Specht, Bushnell, $31,186.

Streets and Roads (Continued)

Ill., St. Charles—Grading, curbing and 8 in. rein.-con. paving various streets, to Illinois Hydraulic Stone & Constr. Co., Elgin, $111,111. Noted Feb. 18.

Wis., Two Rivers—R. Biehl, city mgr., vibrolithic concrete paving, etc. 30,000 sq.yd. various streets, to E. J. Streu, Two Rivers, $56,815. Noted Mar. 11.

Ia., Carroll—Bd. Supervs. Carroll Co., improving 7.166 mi. Federal Aid Project 154-E and D, 142,574 cu.yd. excav., 168,741 sta. overhaul, etc., to Bacon & Duffy, Mankato, Minn., $38,000, 31 concrete culverts and extensions, to Jensen Constr. Co., Kimballton, $16,000; one 90 ft. x 20 ft. pony truss and one 32 ft. x 24 ft. deck girder bridge, to Jensen Bros., Thompson, $25,000. Grand total $79,000. Noted Feb. 11.

Ia., Carroll—Carroll Co., grading 7.166 mi. primary road south of here, to Daufenbach, Bacon & Duffy, Mankata, about $38,000. Engrs. est. $35,000.

Ia., Centerville — Appanoose Co., improving 4.933 mi. Federal Aid Project 239-A, 76,950 cu.yd. excav., 660 ft. 15 in. and 160 ft. 18 in. culvert pipe, 50,900 sta. overhaul, etc., to Ryan Bros., Missouri Valley, approximately $25,000.

Ia., Clarion — Wright Co., to C. Byers, Austin, Minn., improving road near here, incl. 35,355 cu.yd. gravel 1 mi. haul at $0.30 per cu.yd., and 152,777 cu.yd. ½ mi. overhaul $0.07. Owner furnishes 1,400 cu. yd. gravel f.o.b. Cornelia and 1,081 cu.yd. Clarion.

Ia., Le Mars — Auditor Plymouth Co., grading, curbing and concrete paving 195,990 sq.yd. Sioux City Rd., to Bryant Paving Co., Waterloo, $435,297. Engrs. est. $500,000.

Ia., Ottumwa—Grading, curbing and 6 in. concrete paving 34,153 sq.yd. Milner, Ransom, Willard and Hancock Aves., to R. C. Nelson, Warner Apts., Council Bluffs. Engrs. est. $142,473. Noted Feb. 18.

Minnesota — State Hy. Dept., St. Paul, concrete paving 143,035 sq.yd. State Project 1-44, Sects. 7, Federal Aid Project 372, and 5,102 sq.yd. Sect. 8 same project, to Richards & Farrell, 415 Lake Ave. S., Duluth, $191,900 and $48,936 respectively. Noted Jan. 14.

N. D., Fargo—F. F. Doherty, aud. Cass Co., grading, etc. 61,104 cu.yd. Federal Aid Project 267-A, and 87,792 cu.yd. Federal Aid Project 268-B, to W. H. Noel, Jamestown, $24,278 and $36,068 respectively.

S. D., Yankton—Cedar Co., grading and gravel surfacing 6.7 mi. Fordyce Highway, to Peterson, Shirley & Gunther, 1411 W. O. W. Bldg., Omaha, Neb., $25,028; and bridge on same road, to Western Bridge & Constr. Co., 748 Peters Trust Bldg., Omaha, Neb., $13,208.

Mo., St. Louis—See "Unclassified."

Mo., Springfield—Concrete paving, etc., Nettleton St. between Nichols and College Sts., to E. V. Koch, 426 North Moffett St., Joplin, $26,238; Pacific St. between Jefferson and Boonville Sts., to Stigall Constr. Co., Benton and Talmadge Sts., $5,527; and Arcade Alley, to H. Prosperi, 1220 North Campbell Ave., $328. Grand total $32,093.

Ark., Little Rock — Grading, curbing, guttering, and rein.-con. paving, etc. 9,800 sq.yd. streets in Paving Dist. 436, to G. Garms, Home Insurance Bldg., $22,485. Noted Feb. 4.

Ark., Malvern—Grading, curbing, guttering, and Warrenite paving, etc. 11,197 sq.yd. streets in Paving Dist. 1, to C. L. Besler, Hot Springs, $50,968.

Ark., Rogers—Grading, curbing, guttering and 6 in. vibrolithic concrete paving 7,822 sq.yd. Paving Dist. 11, to D. C. Horton, Ft. Smith, $24,176.

Tex., Beaumont—Paving 5 blocks Highland Ave., Pecos Blvd. and 2 alleys, to Uvalde Rock Asphalt Co., Beaumont, $25,738.

Tex., Georgetown—G. Keahey, city secy., Uvalde rock asphalt paving 40,000 sq.yd. various streets, to W. E. Dozier, Austin Natl. Bank Bldg., Austin, $125,000. Noted Feb. 4.

Okla., Ryan—Grading, curbing, guttering and vertical fibre brick paving 9,032 sq. yd. Main St., to A. L. Cook, Ottawa, Kan., $37,320. Engrs. est. $38,866. Noted Dec. 17.

Wash., Montesano—Comrs. Grays Harbor Co., clearing, grubbing and grading Permanent Highway 29, to Peck & Arnerson, Hoquiam, $37,000. Engrs. est. $40,000.

Oregon — State Hy. Dept., Olympia, broken stone surfacing 9.4 mi. Baker Unity Highway, Baker Co., to Harness & Colby, Roseburg, $35,225; 9.61 mi. Dallas-California Highway, Deschutes Co., to C. Nyberg, Spokane, Wash., $86,285; and 4.55 mi. same road, Jefferson and Deschutes Counties, to Kibler & Bartlett, Albany, $28,520. Grand total $150,030.

Calif., Arcadia—City Trustees, grading, 6 in. oil macadam paving, etc. Huntington Dr., etc., to Mathews & Bartlett, Braley Bldg., Pasadena, $28,035. Noted Feb. 25.

Calif., Coronado — Improving Pamona Ave., 5,816 lin.ft. cement curbing, 7,304 cu. yd. excav., 18,535 sq.yd. 4 in. oil macadam paving, etc., to R. E. Hazard Contg. Co., 2548 Kettner Blvd., San Diego, $28,792.

Calif., Larkspur—Concrete paving Bridge Rd., to M. C. McDonald, 236 2nd St., Sausalito, $22,618.

Calif., Los Angeles—Supervs. Los Angeles Co., curbing, guttering, grading, etc. Palm Ave., Impvt. 497, to H. & P. Constr. Co., 5535 South Western Ave., $75,705. Noted Mar. 11.

Calif., Los Angeles—Bd. Pub. Wks. improving Pico Blvd., between Crenshaw and Exposition Blvds., to North-Pacific Constr. Co., Detwiler Bldg., $1,034,885. Noted Mar. 4.

Calif., Martinez—Supervs. Contra Costa Co., grading and widening Tunnel Highway between Buckley Ranch and Oak Villa, to J. P. Holland, 540 Brannan St., San Francisco, $44,310. Noted Feb. 18.

Calif., Mountain View—Warrenite paving and c.i. mains, etc., in various streets, to Union Paving Co., Call Bldg., San Francisco, $137,575. Noted Mar. 11.

Calif., Oroville—C. F. Belding, clk. Butte Co., will construct Sect. "B" Oroville-Chico Rd., by day labor. Former bids rejected. H. H. Hume, co. road engr. Noted Feb. 18.

Calif., Salinas—City Council, M. R. Keef, city clk., grading, surfacing, guttering, curbing, and 2½ in. asphaltic concrete paving portion of South Main St., to Granite Constr. Co., Watsonville, $26,398. Noted Feb. 25.

Calif., San Anselmo—Curbing, guttering, grading, paving, etc., Richmond Rd., Mariposa and Bell Aves., to Valley Paving & Constr. Co., Visalia, $89,083. Noted Mar. 4.

Calif., San Diego — Supervs. San Diego Co., improving San Diego Blvd., etc., in Vista Dist., 10,845 lin.ft. cement curbing, 20,884 sq.ft. cement guttering, 20,188 sq.ft. cement sidewalk, 22,810 cu.yd. excav., 30,299 sq.yd. 2½ in. oil macadam paving, to R. E. Hazard Contg. Co., 2548 Kettner Blvd., $48,712.

Calif., San Diego—Common Council, improving Dale, Draper, Bonair, Marine and Genter Sts., to H. H. Peterson, Spreckels Bldg., $25,691. Noted Jan. 14.

Calif., San Diego — Common Council, grading, concrete sidewalk and curbing, etc. 32nd St. and Greely Ave., to H. G. Fenton, 1980 Main St. $26,617. Noted Feb. 18.

Calif., San Luis Obispo—Supervs. San Luis Obispo Co., improving Coast Highway, 10,000 cu.yd. grading, 40,800 tons asphaltic concrete paving, etc., to Southwest Paving Co., Washington Bldg., Los Angeles, approximately $260,000. Noted Feb. 18.

Calif., San Rafael—Supervs. Marin Co., grading, surfacing, etc., Red Hill Rd., to W. Moreing, Harris Bldg., Stockton. $16,340. (County to furnish culverts). Noted Mar. 4.

Calif., Santa Barbara—Curbing, guttering, walks and 1½ in. asphaltic concrete on 5 in. concrete paving Haley St. between Coronel and Chapala Sts., to Cornwall Constr. Co., 227 Equestrain St., approximately $50,000.

Calif., Santa Cruz—S. A. Evans, city clk., grading, curbing, concrete paving, etc., portions of Market and Washburn Sts., etc., to Thompson Bros., Divisadero and H Sts., Fresno, $43,005. Noted Mar. 11.

Calif., Santa Cruz—S. A. Evans, city clk., grading, curbing, guttering and 5 in. concrete paving, etc. portions of Mission, River and Vine Sts., etc., to Granite Constr. Co., Watsonville, $63,196. Noted Mar. 4.

Calif., Santa Rosa—Supervs. Sonoma Co., grading, concrete paving, etc. Healdsburg-Dry Creek Highway, to Conners, Hansen & Ede, Rosenberg Bldg., $41,215. Noted Feb. 25.

Buildings—Commercial

Proposed Work

Mass., Boston — APARTMENT — A. C. Bottomley, archt., 100 Tremont St., preparing plans 5 story and basement, 40 x 60 ft., rein.-con., brick and stone, Back Bay Dist. Owner's name withheld. $150,000.

Mass., Boston — HOTEL — Metropolitan Realty Co., Inc., 280 Madison Ave., New York City, having sketches made by Crane & Frenxheim, engrs. and archts., 345 Madison Ave., New York City, 14 story and basement, Commonwealth Ave. near Cottage Farm Bridge.

Mass., Somerville (br. Boston)—HOTEL —G. Vatigian, Odd Fellows Bldg., having sketches made by J. Tuck, 439 Park Sq. Bldg., Boston, 10 story, 150 x 200 ft. hotel, 291 Bway. To exceed $150,000.

Mass., Springfield — BANK — Chicopee Natl. Bank, G. A. MacDonald, pres., plans bank and office, Main St. $200,000. Engineer and architect not selected.

Mass., Waltham (Ind. br. Boston) — HOTEL—City, c/o Chamber of Commerce, plans hotel. To exceed $150,000. Engineer and architect not selected.

Conn., Hartford — GARAGE, OFFICE, etc.—Mar. 16, by Hartford City Gas Light Co., 565 Main St., and Mylchreest & Reynolds, archt., Hartford, 3 story, timber, Potter and Mechanic Sts. $160,000.

Conn., New Haven — STORE and OFFICE—A. L. Starin, 628 George St., plans 6 story, store and office, Orange St. $150,000.

Conn., New Haven—STORE and OFFICE —H. F. English, 839 Chapel St., plans 6 story, store and office, Chapel St. $450,000. F. W. Woolworth Co., 834 Chapel St., lessee.

N. Y., Brooklyn—OFFICE—J. F. James & Sons, 193 Montague St., having preliminary plans prepared by M. E. Freehof, 135 East 43rd St., New York City, 13 story, brick, steel and stone, plain foundation, 142 Joralemon St.

N. Y., Brooklyn—Y. W. C. A., 3rd and Schermerhorn St., soon takes bids brick, steel and stone, plain foundation, 3rd and State Sts. $300,000. F. L. Ackerman, 25 West 44th St., New York City, engr. and archt. **Noted Dec. 10.**

N. Y., Freeport — HOTEL — Owner, c/o H. J. Krapp, engr. and archt., 1 West 47th St., New York City, soon takes bids 4 story, brick, steel and stone, plain foundation, here. $200,000.

N. Y., Montauk—HOTEL—Mar. 17 (extended date), by Montauk Beach Development Corp., C. G. Fisher, 52 Vanderbilt Ave., New York City, brick, steel and stone, plain foundation, here. Schultze & Weaver, 17 East 49th St., New York City, archts. Noted Mar. 11.

N. Y., New York—APARTMENT—Dura Realty Corp., c/o S. J. Sheridan, engr. and archt., 5656 Newton Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, Rochambeau Ave. $250,000.

N. Y., New York — APARTMENTS — Franz Siegel Park Apartments, Inc., c/o J. M. Felson, engr. and archt., 250 West 57th St., having plans prepared two 6 story, brick, steel and stone, plain foundations, Mott Ave. $400,000 each.

N. Y., New York—CLUB—Cinema Club of America, Inc., D. R. Hochreich, chn., c/o H. Craig Severance, engr. and archt., 36 West 44th St., having plans prepared 22 story, brick, steel and stone, plain foundation, 150 West 59th St. $5,000,000.

N. Y., New York—CLUBHOUSE—Natl. Town & County Club, 17 East 42nd St., soon takes bids on revised plans 26 story, brick, steel and stone, plain foundation, Lexington Ave. and 48th St. $5,000,000. G. B. Post & Sons, 101 Park Ave., engrs. and archts. Noted Sept. 24.

N. Y., New York—LOFT—Schuyler Development Corp., c/o Shampan & Shampan, engrs. and archts., 188 Montague St., Brooklyn, having plans prepared 23 story, brick, steel and stone, plain foundation, 553 8th Ave., here. $1,200,000.

N. Y., New York—LOFT—Bas Realty Corp., c/o H. I. Oser, engr. and archt., 1440 Bway., having plans prepared 16 story, brick, steel and stone, plain foundation, 29th St. and 5th Ave.

N. Y., New York—LOFT—Kymsen Building Corp., c/o Parker & Schaefer, engrs. and archts., 280 Madison Ave., having preliminary plans prepared 18 story, brick, steel and stone, plain foundation, 10th Ave., 33rd and 34th Sts. $4,000,000.

N. Y., New York — OFFICE — Consol Realty Co., c/o Starrett & Van Vleck, engrs. and archts., 393 7th Ave., having plans prepared 42 story, brick, steel and stone, plain foundation, 42nd St. near 6th Ave. $8,000,000.

N. Y., Pelham (Ind. br. New York)—APARTMENT—G. F. Pelham, Jr., pres. Pelham Gables, 200 West 72nd St., New York City, having plans prepared by G. F. Pelham, engr. and archt., 200 West 72nd St., New York City, 6 story, brick, steel and stone, plain foundation, 4th St. and 6th Ave. $400,000.

N. Y., Yonkers—THEATRE—J. E. Andrus, c/o T. W. Lamb, archt., 644 8th Ave., New York City, soon takes bids brick, steel and stone, plain foundation, South Bway. $1,000,000. R. D. Kimball, 15 West 38th St., New York City, engr.

N. J., Atlantic City—HOTEL—Sea Side Hotel, c/o F. P. Cooks, Sons soon lets contract 13 story rein.-con., brick and steel, wood pile foundation, Pennsylvania Ave. near Boardwalk, Lockwood, Greene & Co., 24 Federal St., Boston, Mass., archts.

N. J., Trenton—BANK—Trenton Trust Co., Trenton, having plans prepared by Dennison & Hirons, engrs. and archts., 288 Lexington Ave., New York City, brick, steel and stone, plain foundation, here. $350,000.

BRIDGE—YONKERS, N. Y.

Bids were opened by Bronx Parkway Comn., 72 West Pondfield Rd. (lowest four and highest), Bronxville, for Bronx River Parkway Drive Bridge 6, over Bronx River, (A) Fox-Reynolds & Co., Inc., 81 East 125th St., New York (awarded contract); (B) J. Saso, 51 Warburton Ave.; (C) Triest Contracting Corp., 247 Park Ave., New York; (D) Carofano Construction Co., 1st National Bank Bldg., Mt. Vernon; (E) J. Palladino, Inc., 4179 Park Ave., New York. The unit bids are as follows:

	A	B	C	D	E
50 cu.yd. rock excavation	$10 00	$15 00	$12 00	$12 00	$15 00
5,500 cu.yd. earth excavation	2 00	3 00	2 40	2 50	5 50
2,500 cu.yd. earth fill	50	1 00	65	01	50
4,000 cu.yd. portland cement	3 50	3 15	3 50	3 50	3 50
1,400 cu.yd. class A concrete	16 00	15 00	16 00	18 00	23 50
50 cu.yd. class B concrete	14 00	15 00	15 00	18 00	18 00
2,500 sq.ft. concrete sidewalks	30	47	25	30	60
40 cu.yd. granite masonry	110 00	135 00	177 00	130 00	165 00
250 cu.yd. rubble masonry	35 00	40 50	37 00	40 00	37 50
137,000 lb. reinforcing steel	07	06	07	065	075
Falsework (lump sum)	5,000 00	4,000 00	4,000 00	4,000 00	6,500 00
1,400 sq.yd. waterproofing	3 00	1 15	2 15	1 50	1 50
500 sq.yd. rubber finish of concrete	70	1 00	1 50	1 00	1 30
20 ton cast iron pipe	80 00	75 00	84 00	100 00	130 00
100 lin.ft. 4 in. vitrified pipe	80	50	25	50	1 25
100 lin.ft. 12 in. vitrified pipe	2 00	1 00	1 25	1 00	3 50
350 lin.ft. 30 in. vitrified pipe	7 00	3 00	6 25	7 00	12 00
30 M.ft. B.M. wakefield sheet piling	80 00	90 00	185 00	50 00	200 00
20 cu.yd. brick manholes and curb inlets	45 00	50 00	50 00	40 00	45 00
Maintaining traffic (lump sum)	6,000 00	7,500 00	1,500 00	6,500 00	8,500 00
4,000 sq.yd. bituminous concrete pavement	2 00	2 00	2 50	2 25	5 50
225 sq.yd. relaying granite block pavement	2 00	3 00	3 50	4 50	5 50
800 lin.ft. ducts	45	1 00	25	50	90
1,050 cu.yd. reinforced concrete foundation for pavement	10 00	10 00	10 00	11 00	15 00
Extended totals	$115,830	$119,005	$120,435	$121,293	$179,433

Buildings—Commercial (Continued)

N. J., Trenton — TEMPLE — Masonic Temple Assn., Trenton, soon lets contract brick and steel, plain foundation, here $750,000. Hill & Gollner, Broad St. Bank Bldg., archts. D. F. Atkins, Grand Central Terminal Bldg., New York City, engr. Noted Jan. 22, 1925.

N. J., Trenton—THEATRE—G. B. Ten Eyck, 127 East State St., plans 2 story, $150 x 200 ft., theatre, Brunswick Ave. and Pine St. $200,000. Engineer and architect not selected.

Pa., New Castle—HOTEL—Syndicate, c/o H. B. Richards, treas., plans 150 room hotel. $800,000.

Pa., Phila. — WAREHOUSE — Horn & Hardart Co., 210 South 10th St., having preliminary plans prepared by R. Benckert, Bellevue Court, 8 story and basement, rein.-con., plain foundation, 10th and Locust Sts.

Pa., Pittsburgh—HOSPITAL—Montefiore Hospital Assn., having plans prepared by Schmidt, Garden & Martin, 104 South Michigan Blvd., Chicago, Ill., group of brick and stone hospital buildings, 5th Ave. and Darragh St. $1,500,000. Noted June 25.

Ga., Savannah—HOSPITAL—Central of Georgia Ry. Co., Savannah, C. K. Lawrence, ch. engr., having plans prepared by Schmidt, Gardner & Martin, 104 South Michigan Ave., Chicago, Ill., and soon takes bids 3 story, brick and tile hospital. $300,000.

Fla., Coral Gables — HOTEL, APARTMENT and MARKET—Miami Community Market, Inc., having plans prepared by B. F. Mitchell, 512 Northeast 15th St., Miami, 2 story, 186 x 265 x 317 ft., rein.-con. and tile, Anastasia St. $350,000.

Fla., Homestead — THEATRE — W. J. English plans 100 x 150 ft. theatre, Krone Ave. and 4th St. $150,000.

Fla., Jacksonville — HOTEL—Vanderbilt Hotel Corp., W. H. Marshall, pres., Park Ave. and 34th St., New York City, N. Y., soon takes bids hotel, here. $2,000,000. Warren & Wetmore, 16 East 47th St., New York City, N. Y., archts. A. L. Babbs, 10 East 47th St., engr.

Fla., Miami—BANK and OFFICE—Model Land Co., J. W. Hoffman, vice-pres., c/o Schultze & Weaver, engrs. and archts., 17 East 49th St., New York City, N. Y., making plans 12 story, brick, Southeast 1st St., here.

Fla., Miami — TEMPLE, etc. — Masonic Lodge, L. U. Martin, chn. building com., 620 Northwest 2nd St., having plans prepared by J. H. Sculthorpe, 206-8 Townley Bldg., 15 story, 100 x 150 ft., temple, incl. hotel, offices, restaurant, etc., Northeast 2nd Ave. and 21st St. $1,750,000. G. D. Mason & Co., Griswald St., Detroit, Mich., engrs.

Fla., Palatka—HOTEL—Palatka Hotel & Industrial Co., c/o J. E. Bennett, East Florida Savings & Trust Co., plans hotel. $500,000.

La., Shreveport—COURTHOUSE—Caddo Parish Police Jury, J. M. Sentell, pres., had plans prepared by E. F. Neild, 1206 City Bank Bldg., 8 story, 120 x 200 ft., rein.-con., gray limestone and brick, plain foundation. $1,000,000. Noted Nov. 26.

Miss., Jackson — INFIRMARY — Mississippi Insane Hospital, C. D. Mitchell, supt., plans group of buildings, Rankin Co., 8 mi. east of here. $2,500,000.

O., Cleveland—SALES and SERVICE—Studebaker Corp. of America, E. R. Parker, sales mgr., 2000 Euclid Ave., soon lets contract 1 story, 105 x 194 ft., brick, steel and concrete, West 117th St. near Clifton Blvd. $150,000. W. S. Ferguson Co., 1900 Euclid Ave., archts.

O., Columbus—AUDITORIUM—Aladdin Temple Nobles Mystic Shrine, North 4th St., having sketches made by Snyder & Babbitt, 16 East Broad St., Richards, McCarty & Bulford, 584 East Broad St., F. W. Elliott, 28 East Broad St., and Miller & Reeves, 20 South 3rd St., 9,000 seating capacity, brick, stone and concrete, Front St. $1,000,000.

O., Columbus—GARAGE and OFFICE—State St. Office Building Co., W. E. Schwartz, pres., had plans prepared by Architectural Serv. Co., 165½ North High St., 5 story and basement, 87½ x 158½ ft. brick, stone and concrete, East State St., $650,000.

O., Dayton—STORE—Liggett Drug Co., 41 East 42nd St., New York City, plans 2 story, rein.-con., brick and stone, plain foundation, 3rd and Main Sts. $200,000. Engineer and architect not selected.

O., Shaker Heights (Cleveland P. O.)—EXCHANGE — Mar. 15, by Walker & Weeks, archts., 1900 Euclid Bldg., Cleveland, 2 story and basement, 100 x 200 ft., brick and rein.-con., Kinsman and Melverton Rds., here, for Ohio Bell Telephone Co., C. P. Cooper, pres, 4300 Euclid Ave., Cleveland, $200,000. G. A. Kositsky, 4300 Euclid Ave. Cleveland, engr.

O., Toledo—OFFICE and THEATRE—Public Theatre Corp., 485 5th Ave., New York City, having plans prepared 7 and 15 story (2 wings), brick, steel and stone, plain foundation, Adams St. $5,000,000. Private plans.

Ind., East Chicago — STORE — Siefer Furniture Co. had plans prepared by K. D. Norris, East Chicago, 5 story, 50 x 100 ft., brick, steel and terra cotta store. $150,000.

Ind., Indianapolis—APARTMENT—H. J. Hibben, 131 South Meridian St., had plans prepared apartment, Washington St. and Emerson Ave. $150,000. Private plans.

Ind., Indianapolis—APARTMENT—T. A. Moynahan Constr. Co., 2063 North Meridian St., plans 3 story, brick, steel and rein.-con. apartment. $350,000.

Ind., Indianapolis — EXCHANGE, etc. — See "Unclassified."

Mich., Detroit—Y. M. C. A., A. G. Studer, genl. secy. Y. M. C. A. Bldg., plans 4 story and basement, 170 x 200 ft., rein.-con., brick and steel, plain foundation, Woodward and Winona Aves. $500,000. Architectural Bureau, Y. M. C. A., 2 West 45th St., New York City, N. Y., archts. Noted May 28.

Mich., Mt. Clemens — STORE and OFFICE—Union Title & Guarantee Co., Union Trust Bldg., Detroit, Mich., plans 2 story and basement, 100 x 110 ft., rein.-con., brick and steel, plain foundation, Gratiot Ave. $150,000. Architect's name withheld.

Ill., Chicago—APARTMENT—K. Rosenthal, 77 West Washington St., having plans prepared by Olsen & Urbain, 155 North Clark St., and takes bids in April or May, 14 story, 64 x 74 ft., rein.-con., brick and terra cotta, Chestnut St. and Ernst Court. $1,225,000.

Ill., Chicago—HOTEL—S. Cole, et al, 307 North Michigan Ave., having plans prepared by B. L. Steif & Co., 307 North Michigan Ave., 16 story, 100 x 172 ft. hotel, Walton Pl. near North Dearborn St. $1,750,000.

Ill., Chicago—HOTEL—Winthrop Bench Hotel Corp. (J. S. Du Puy & M. E. Dey, 6200 Kenmore Ave.), will not construct 4 story, 50 x 150 ft., 6250 Winthrop Ave. $300,000. Project abandoned. Noted Nov. 26.

Ill., Chicago — THEATRE, STORE and APARTMENT — R. G. Wolff, archt., 410 North Michigan Ave., soon takes bids masonry, structural steel plumbing, heating, etc. for 3 story, 135 x 225 ft., brick and terra cotta, Irving Park Blvd. and Austin Ave., for Mitchell Bros., c/o architects. Noted Mar. 4.

Ill., Rock Island—CITY HALL—Election Apr. 20, $200,000 bonds, 2 story, 7,000 sq.ft. floor space, 3rd Ave. and 16th St. Cervin & Horn, 310 Safety Bldg., archts. Noted Dec. 24.

Ill., Niles Center—OFFICE, etc.—Sanitary Dist. of Chicago, 910 South Michigan Ave., having plans prepared and takes bids about May 10, 2 and 4 story, 60 x 275 ft., office building, etc., Howard St., here. $1,250,000.

Ia., Bettendorf — SANITARIUM — Grand Lodge of Iowa A.F.A.M. F. Moses, secy., at Masonic Library, Cedar Rapids, soon lets contract 2 story and basement, 32 x 116 ft., and 38 x 150 ft., rein.-con., brick and stone, here. $150,000. Former bids rejected. E. Holbrook, 51 Whitaker St., Davenport, and Beuttler & Arnold, 405 Grain Exch. Bldg., Sioux City, archts. Noted Feb. 4.

Neb., Omaha—HOSPITAL—J. Latenser & Sons, archts., Peters Trust Bldg., rejected bids Feb. 17, 3 story and basement, brick addition, 42nd St. and Dewey Ave., for University of Nebraska Hospital. $150,000. Noted Feb. 4.

Mo., Excelsior Springs—HOTEL—A. E. Cooper, Royal Hotel, will not construct rein.-con. and brick hotel. $200,000. Project abandoned. Noted June 11.

Mo., St. Louis — MORGUE — Bd. Pub. Serv., 208 City Hall, having revised plans prepared by L. R. Bowen, archt. and engr., 301 City Hall, 1 and 2 story, 88 x 130 ft., rein.-con., brick and terra cotta morgue. $200,000. Former bids rejected. H. Updike, 301 City Hall, engr. Noted Mar. 4.

Buildings—Commercial (Continued)

Tex., Dallas — DORMITORY — C. W. Snider, City Natl. Bank Bldg., Wichita Falls, plans 50 room, brick, stone, steel and rein.-con. dormitory, near Southern Methodist University campus, here. $150,000. Engineer and architect not selected.

Tex., Mineral Wells—HOTEL—Owner, c/o J. M. Chamberlain, secy. Chamber of Commerce, plans brick, stone, steel and rein.-con. hotel. $200,000. Engineer and architect not selected. Baker Hotel Inc., Dallas, lessee.

Tex., Vernon — BANK — Herring Natl. Bank, c/o L. K. Johnson, vice-pres., plans 5 story and basement, 90 x 100 ft., brick, stone and rein.-con., Pease and Fannin Sts. $175,000. Engineer and architect not selected.

Wash., Seattle—OFFICE and STORE—V. W. Voorhees, archt., Eitel Bldg., takes bids about May 1, 8 story and basement, 111 x 113 ft., rein.-con., brick and terra cotta, 3rd and Union Sts., for Vance Lumber Co., Stuart Bldg. $950,000.

Calif., Beverly Hills—APARTMENT—W. G. McCarty, 1412 Wilshire Blvd., Los Angeles, had plans prepared by Walker & Eisen, 701 Great Republic Life Bldg., Los Angeles, 8 story and basement, 130 x 158 ft., steel and rein.-con., Wilshire Blvd. $1,500,000. Noted Jan. 14.

Calif., Los Angeles — CLUB HOUSE — California Club, S. M. Haskins, pres., 453 South Hill St., plans 12 story and basement, 180 x 330 ft. club house, Hope St. Engineer and architect not selected.

Calif., Los Angeles—DEPOT and HOTEL —Pickwick Stages, C. F. Wren, mgr., 6th and Los Angeles Sts., plans 8 story and basement, on 80 x 150 ft. site, 6th and Los Angeles Sts.; also 6 story addition to present building. $150,000 or more.

Calif., Los Angeles — GARAGE — Santee Garage, Inc., Santee St., had revised plans prepared by Burnett & Dodge, Lankershim Bldg., 6 story, 100 x 160 ft., rein.-con., Santee St. between 8th and 9th Sts. $310,-000.

Calif., Los Angeles—OFFICE—Group of property owners, c/o C. R. Branham, had sketches made by Somervell & Putman, 905 Commercial Exch. Bldg., 2 story, 100 x 540 ft., rein.-con. and stone, Pruess Rd. and Wilshire Blvd. $150,000.

Calif., Los Angeles—SALESROOM and LOFT—M. Jacobowsky, et al, 3756 West 1st St., having preliminary plans prepared by A. B. Rosenthal, Hill-Street Bldg., about 10 story and basement, 135 x 140 ft., rein.-con., Santa Monica Blvd.

Calif., Sacramento—CLUB—Y. W. C. A., N. A. Chappell, general secy., plans fireproof, 17th and L Sts. $150,000 or more. Engineer and architect not selected.

Calif., San Francisco—CLUB—Bohemian Club, J. S. Thompson, pres., Post and Taylor Sts., plans 15 story, fireproof construction. To exceed $500,000.

Calif., San Francisco—OFFICE—Amer. Radiator Co., 2nd and Townsend Sts., plans (1st unit) 2 story, rein.-con., 4th and Townsend Sts. $200,000.

Calif., San Jose—STATION—Southern Pacific R.R. Co., 65 Market St., San Francisco, plans railroad station, here. $500,000 or more. Eng. Dept. of Owners, engrs.

Calif., San Mateo — HOTEL — Syndicate, c/o M. G. McCann, 26 Montgomery St., San Francisco, had plans prepared by C. H. Barrett, c/o owners, Hotel Woodside, 5 story, steel and rein.-con., Alameda Dr. $1,500,000.

Calif., Visalia—HOSPITAL—Tulare Co. having plans prepared by E. J. Kump Co., Rowell Bldg., Fresno, fireproof construction. $180,000.

Ont., Ottawa—COMMERCIAL—Richards & Abra, archts., 126 Sparks St., soon take bids 2 story and basement, 99 x 99 ft., rein.-con., plain foundation, Albert St., for Bryson Estate, Ltd., 142 Sparks St. $150,-000.

Ont., Toronto—OFFICE—East York Twp. plans probably 3 story and basement, rein.-con., brick and steel, plain foundation. $150,000. G. R. Jack, 443 Sammon Ave., engr.

Bids Desired

Mass., Allston (Boston P. O.)—APARTMENT—See "Contracts Awarded."

Mass., Dorchester (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Hyde Park (Ind. br. Boston)—STORE and OFFICE — See "Contracts Awarded."

Mass., Pittsfield — STORE — England Bros., North St., taking bids altering and constructing brick and steel addition. $150,-000. G. E. Haynes, 184 North St., archt.

Mass., Roxbury (Boston P. O.)—APARTMENT—See "Contracts Awarded."

W. Va., Morgantown—HOTEL—Mar. 25, by L. Lepera, 5 story and basement, 59 x 74 ft., brick and steel hotel. $150,000. C. Reger, Morgantown, archt. Noted Sept. 3.

N. C., Durham—STORE and OFFICE—Mar. 24, by Milburn, Heister & Co., archts., 710 14th St., Wash., D. C., and Durham, 8 story and basement, 51 x 72 ft., rein.-con., brick and steel, plain foundation, Main and Morris Sts., for R. H. Wright, $350,000.

Pa., Allentown—HOTEL—Mar. 30, by A. Pabruch and A. Pomery, 10 story, mezzanine and basement, 71 x 229 ft., rein.-con., brick and steel, plain foundation, 6th and Hamilton Sts. $1,250,000. Ritter & Shay, Packard Bldg., Phila., archts.

Pa., Charleroi — STORE — Mar. 26, by Berryman Dept. Store and Yoke & Lowstetter, archts., Monongahela City, 2 story, mezzanine and basement, 95 x 100 ft., brick, limestone and steel store. $150,000.

Pa., Pittsburgh — STORE and LOFT — Steinbach & Jubilier, Penn Ave., taking bids 7 story and basement, 45 x 120 ft., brick and hollow tile, Penn Ave. $150,000. Sharose & Friedman, Berger Bldg., archts.

Pa., Tyrone—LODGE—Tyrone Lodge B. P. O. E., 33 West 10th St., taking bids 3 story and basement, 49 x 110 ft., brick, Logan Ave. $200,000. Engineer and architect not selected.

Pa., Williamsport—THEATRE—Mar. 22, by Lycoming Amusement Co. c/o C. A. Reed, pres., 2 story and basement, 48 x 175 ft., brick, concrete and steel, 1,400 seating capacity, Pine St. $180,000. F. A. Rianhard, Masonic Temple, archt. Noted Feb. 4.

Miss., Greenville—HOSPITAL—Apr. 1, by Kings Daughters Circle, F. Schelben, chn. building com., 4 story, rein.-con., hollow tile, stucco and terra cotta hospital. $250,-000. W. F. Schultz, 870 Shrine Bldg., Memphis, Tenn., archt. Noted Oct. 1.

O., East Cleveland (br. Cleveland) — COMMERCIAL and APARTMENT — L. Katz, Swetland Bldg., Cleveland, taking bids 3 story and basement, brick and steel, Euclid and Stratmore Aves., here. $225,-000. A. F. Janowitz, 811 Prospect Ave., Cleveland, archt.

O., Lakewood (br. Cleveland)—APARTMENT—L. B. Cohn, 2099 Lambertson Rd., Cleveland, taking bids 3 story and basement, 45 x 165 ft., brick and steel, 1416 Waterbury St., here. $150,000. A. F. Janowitz, 811 Prospect Ave., Cleveland, archt.

Mich., Jackson — PRISON — See "Contracts Awarded."

Mich., Marquette—BANK and OFFICE—Mar. 24, by First Natl. Bank & Trust Co. and Mowbray & Uffinger, archts., 221 West 57th St., New York City, 2 story and basement, 65 x 100 ft., rein.-con. and brick, plain foundation. $225,000. Noted Mar. 11.

Ill., Chicago—APARTMENT—Mar. 25, by Clarendon-Leland Building Corp., 160 North La Salle St., 12 story and basement, 80 x 160 ft., rein.-con. and stone, Clarendon and Leland Aves. $1,000,000. A. S. Hecht, 155 North Clark St., archt.

Mo., St. Louis — APARTMENTS — See "Contracts Awarded."

Tex., Edinburg—HOTEL—Edinburg Hotel Co. taking bids 4 story and basement, rein.-con. and brick, plain foundation. $200,-000. Private plans.

Calif., Berkeley — THEATRE — J. A. Marshall, archt., 5658 College Ave., associated with M. I. Diggs, 244 Lake Drive Blvd., Oakland, taking bids theatre, 1,800 seating capacity, College and Claremont Aves., here, for Beach Krahn Theatres, Inc. $250,000. Noted Jan. 21.

Calif., Fresno—GARAGE—Apr. 6, by D. M. Barnwell, clk. Fresno Co., 1 story, 100 x 100 ft. garage and equipment maintenance shops, Chance and Butler Aves.

Calif., Tulare—THEATRE, STORE and OFFICE—Miller & Pflueger, archts., 580 Market St., San Francisco, taking bids Class "A," 1,400 to 1,500 seating capacity, L and Tulare Sts., for R. A. Hazel, Tulare. $150,000.

Bids Received

N. Y., West Haverstraw—HOSPITAL—State Hospital Comn., Albany, Mar. 4, isolation building, nurses home, etc., at State Orthopedic Hospital, here, from G. Colon & Co., 1 East 125th St., New York City, $447,-000. Noted Jan. 21.

N. J., Trenton—HOSPITAL—Bd. Institutions & Agencies, W. J. Ellis, acting comr., State Office Bldg., Mar. 12, general contract 6 hospital buildings, from C. J. Smith Co., 202 Academy St., $732,400; plumbing, from J. T. Evans, Wilkes-Barre, Pa., $646,869; heating from Piper Bros., 340 North Broad St., $42,780, and sewer and water system, from A. N. Bugbee, 586 Bellevue Ave., $26,200. Noted Mar. 11.

Pa., Phila. — EXPOSITION — Sesquicentenial Exposition, c/o W. F. Kendrick, pres., 5th and Chestnut Sts., Exposition Building 5, 1 story, 170 x 925 ft., and 411 x 880 ft., rein.-con., stucco and steel, wood pile foundation, Broad and Government Sts., from Turner Constr. Co., 1713 Sansom St., $712,500.

Mich., Royal Oak (br. Detroit) — BIRD HOUSE—Zoological Park Comn., R. E. Follett, dir., Detroit, 2 story and basement, 95 x 137 ft., rein.-con., brick and steel bird house, plain foundation, here, from Tallas & Meier, 250 West Lafayette St., Detroit, $171,900. Noted Feb. 18.

Calif., San Luis Obispo—HOSPITAL—San Luis Obispo Co., general contract brick hospital, from A. Johnson, 74 No. Montgomery St., San Francisco, $139,92[illegible]. Noted June 11.

Contracts Awarded

Mass., Allston (Boston P. O.)—APARTMENT — B. Grossman, 6 Greendale Rd., Mattapan, will build 3 story and basement, brick and stone, 35 Orkney St., here, $150,000. Work will be done by separate contracts. Winebaum & Wexler, 74 Cornhill St., Boston, archts.

Mass., Boston — APARTMENT and STORE—E. Stevens, c/o H. F. Kellogg, archt., 110 Summer St., 4 story and basement, brick, to J. Greenwood, 101 Tremont St. Archts. est. $150,000.

Mass., Boston—HOTEL—Hotel Bellevue, altering and constructing 7 story and basement brick addition, Beacon St., to Whidden, Beckman Co., 100 Boylston St. Archts. est. $150,000 or more.

Mass., Boston—OFFICE—Niles Building Trust Co., 27 School St., altering and constructing 5 story and basement, brick addition, to Mitchell & Sutherland, Inc., 18 Tremont St. Archts. est. $150,000.

Mass., Boston — STORE and OFFICE — Tingus Bros. & Cakridas, c/o Gay & Proctor, archts., 248 Boylston St., 5 story and basement, 35 x 65 ft., brick and stone, Tremont St. and Bway., to D. R. McKellop & Co., Inc., 111 West Brookline St. Archts. est. $150,000.

Mass., Dorchester (Boston P. O.) — APARTMENT — Carson & Shennan, 665 Morton St., will build 3 story and basement, brick, plain foundation, Wales St. $160,000. Work will be done by separate contracts. S. Moffie, 51 Cornhill, Boston, archt.

Mass., Hyde Park (Ind. br. Boston)—STORE and OFFICE—A. Waterman, 1020 Hyde Park Ave., will build 2 story and basement, brick, River St., by day labor. $150,000. G. L. Milton, 80 Boylston St., Boston, engr.

Mass., Lowell — DANCE HALL, etc. — Owner, 3 story and basement, brick and stone dance hall, bowling alley and stores, to White Constr. Co., 11 Beacon St., Boston. Archts. est. $200,000.

Mass., Roxbury (Boston P. O.)—APARTMENT — B. Swartz, 77 Greenwood St., Dorchester, will build 2 story and basement, brick and stone, plain foundation, Walnut Park, here. $150,000. Work will be done by separate contracts. S. E. Moffie, 51 Cornhill St., Boston, archt.

Conn., Hartford—BUSINESS—A. Steiger, Inc., 885 Main St., 5 story and basement, 100 x 165 x 550 ft., brick, steel and stone, Pratt and Trumbull Sts., to E. J. Pinney, Inc., 374 Main St., Springfield, Mass. Archts. est. $750,000. Noted Nov. 19.

Conn., Norwich—SANATORIUM—State Hospital Comn., Hartford, F. M. Salmon, comptroller, 2 story and basement, 40 x 190 ft., brick and steel employees' building, 2 story, 60 x 80 ft. stone and timber addition, and 1 story infirmary, here, to A. Torrance, Prospect St., $98,842. Noted Mar. 4.

N. Y., Nyack—EXCHANGE—New York Telephone Co., 15 Dey St., New York City, 3 story, rein.-con., brick and steel, plain foundation, here, to D. C. Weeks & Sons, 347 Madison Ave., New York City. Archts. est. $150,000.

N. Y., Peekskill — EXCHANGE — New York Telephone Co., 15 Dey St., New York City, telephone exchange, here, to W. A. L'Hommedieu, & Co., Madison Ave., New York City. Archts. est. $150,000.

N. J., Newark—HALL of RECORDS, etc. —Bd. Freeholders, Essex Co., E. C. Ball, chn. building Com., Courthouse, brick, steel and stone plain foundation, High St. to Niewenhouse Co., 16 East 43rd St., New York City, $2,158,925. Soon takes bids heating and ventilating for same, former bids rejected. Noted Feb. 11.

Pa., Butler—AUDITORIUM—Butler Fair Grounds Assn., E. A. Gibson, Jenkins Bldg., general contract 1 story, 48 x 320 ft. auditorium, to G. A. Schenc & Sons, Butler. Archts. est. $150,000. Noted Jan. 21.

Pa., Pittsburgh—BANK—Bank of Pittsburgh—Natl. Assn., 266 4th Ave., 2 story and basement, 30 x 92 ft., stone and steel, 4th Ave., to W. T. Grange Constr. Co., Keenan Bldg. Archts. est. $200,000.

Pa., Phila.—EXHIBITION—Sesquicentennial Comn. at office H. T. Baxter, executive secy., 926 Widener Bldg., for Pennsylvania State Building, 1 story, 226 x 332 ft. building, general contract, to F. W. Mark Co., Commercial Trust Bldg., $395,000. Noted Feb. 25.

Buildings—Commercial (Continued)

Pa., Pittsburgh—APARTMENT—Fifth Ave. Apartment Corp., c/o P. Julian, archt., 823 15th St. N. W., Wash., D. C., general contract 9 story and basement, 160 x 200 ft., 5th Ave., to Boyle Robertson Constr. Co., Inc., 16th St. and Harvard Ave., Wash., D. C. Archts. est. $1,500,000.

Ga., Atlanta—GARAGE and SALES—C. A. Sisson, general contract 3 story, 50 x 132 ft. distributing plant, Peachtree St., to C. D. Crockett & Co., 316 Bona-Allen Bldg., $200,000. Willys Overland Co., 469 Peachtree St., lessee.

Fla., Ft. Lauderdale—HOTEL—Florida Hotel Assn., I. C. Overdorff, pres., for Mandalay Arms Hotel, 3 story, 185 room, Mandalay Blvd., to Lake Mabel Development Corp., G. Whyel, pres., Ft. Lauderdale, $500,000.

Fla., Frostproof—HOTEL—W. A. Hoefgen, Lakeland, for Frostproof Hotel Corp., Babson Park and Sebring, 5 story hotel, here, to Dame Eng. Co., St. Petersburg, $250,000.

Fla., Miami—CLUB—Miami Athletic Club, 184 Southeast 14th St., brick, steel and stone, plain foundation, Bayshore Dr., to G. A. Fuller Co., Daily News Bldg. Archts. est. $1,000,000.

Ala., Birmingham—PRODUCE MART—Exchange Distributing Co., 417 South 21st St., 2 story, 190 x 300 ft. produce mart, 1st Ave., to A. C. Samford, 24 Gelena Ave., Montgomery, $250,000.

Miss., Laurel—HOTEL—L. W. Duffy, archt., Laurel, 4 story, 50 x 192 ft., incl. 2 stores and lobby, rein.-con., brick and stone addition, to C. S. Norman, Laurel, for Pinehurst Hotel Co. Noted Jan. 28.

O., Cleveland — COMMERCIAL — One Hundred and Seven Fairmount Co., c/o D. E. Wilcox, 322 Euclid Ave., 2 story and basement, 48 x 84 x 94 x 97 ft., brick and steel, to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $150,000. Noted Dec. 10.

O., Columbus—HORTICULTURAL and AGRICULTURAL — Dept. Agriculture, State House, A. V. Truay, dir., part 1 and part 2 story, 98 x 300 ft., brick and concrete, State Fair Grounds, to B. F. Smith Co., 344 South Front St., $131,671. Noted Feb. 11.

O., Toledo—APARTMENT—L. S. Ottenheimer & S. Sanger, 1007 Nicholas Bldg., general contract 6 story and basement, 62 x 100 ft., brick, stone and steel, known as Kenmore, Fulton St., & Ashland Ave., to Watts & Suhrbier Co., 1235 Miami St.; steel and iron, to Building Products Co., Summit and Sandusky Sts. Archts. est. $200,000. M. Swaab, owner Hamlin Hotel, 412-14 Erie St., lessee.

Ind., Indianapolis — APARTMENT — Owner, c/o E. D. Logsdon, pres., 817 Traction Bldg., general contract 3 story and basement, 40 x 270 ft., brick and rein.-con., Virginia Ave. and McCarthy St., to E. C. Strathmann, 4220 Central Ave., $145,000. Noted Feb. 11.

Ind., Portland—STORE—Weiler Bros., general contract 2 story and basement, 132 x 132 ft., brick, steel and rein.-con. store and office building, to C. L. Sandero & Son, Portland, $160,000.

Ind., Vincennes — COURTHOUSE — A. Hess, pres. Bd. Comrs. Knox Co., at office County Auditor, Courthouse, general contract remodeling brick, steel and rein.-con. courthouse, to J. A. Keller, Vincennes. Archts. est. $175,000. Noted Feb. 18.

Mich., Detroit—OFFICE and GARAGE—Cadillac Motor Car Co., Clark Ave., general contract 4 story, 56 x 321 ft., rein.-con. office and 60 x 275 ft., steel and brick garage, plain foundations, Clark Ave., to A. A. Albrecht Co., Penobscot Bldg., Detroit. Noted Feb. 18.

Mich., Detroit — STORE — G. Simonds Agency, c/o Gottlesleben & Bernardi, archts., 2224 Dime Bank Bldg., 4 story and basement, 30 x 100 ft., rein.-con., brick and steel, plain foundation, Woodward Ave., to W. E. Wood Co., 1805 Ford Bldg. Archts. est. $150,000.

Mich., Jackson — PRISON — Michigan State Prison, H. N. Hulburt, dir. constr., will build rein.-con. and brick addition, plain foundation, by convict labor. $500,000. Private plans.

Ill., Chicago—CLUB—Lindblad & Carlson, archts., 155 North Clark St., masonry and carpentry contract 3 story and basement, 100 x 150 ft., plain foundation, West 79th St. and Emerald Ave., to R. A. Lundgren, 80 West Washington St., for Independent Order of Vikings, O. G. Nelson, pres., 727 Maple Ave., Blue Island. Archts. est. $350,000. Noted Oct. 8.

Ill., Chicago—ELECTRIC TERMINAL—Illinois Central R.R. Co., 135 East 11th Pl., A. F. Blaess, ch. engr., 1 story, 76 x 480 ft. with 20½ x 206 ft. extension, 29 ft. high, concrete, steel and corrugated iron, 16th St. and railroad tracks, to W. J. Zitterell Co., Webster City, Ia. Engrs. est. $183,000.

BULKHEAD—NEW YORK, N. Y.

Bids were opened by Department of Parks (lowest four and highest) for concrete bulkhead along easterly boundary of Public Driveway between 193rd and 198th Sts., (A) Ascher Engineering & Construction Co., 1457 Broadway, (awarded contract); (B) Fleming & Sheppard Co., Inc., 116 Broad St.; (C) Fox-Reynolds Co., 81 East 125th St.; (D) Thomas A. Reilly Co., Inc., 25 West 43rd St.; (E) George B. Spearin, Inc., 90 West St. The unit bids are as follows:

	A	B	C	D	E
10,200 yd. crib excavation	$3 00	$1 50	$2 00	$2 75	$3 00
2,960 cu.yd. earth excavation	2 00	1 50	2 00	2 75	3 00
1,310 cu.yd. Class "A" concrete	12 00	12 00	16 00	15 00	18 00
2,330 cu.yd. Class "B" concrete	13 00	19 00	16 00	16 00	25 00
350 cu.yd. Class "C" concrete	15 00	17 00	16 00	17 00	26 00
1,300 cu.yd. dry rubble wall backfill	45	2 75	3 00	1 00	4 00
1,450 cu.yd. earth and stone backfill	45	1 00	50	50	2 00
18,500 sq.ft. asphalt walk pavement	14	17	20	17	30
2 manholes	100 00	175 00	50 00	42 00	112 00
Extended totals	$91,808	$94,200	$98,585	$104,324	$144,284

Ill., Chicago—THEATRE, STORE and APARTMENT—R. Levine, 822 West 70th St., 3 story, rein.-con., brick and terra cotta, North Chicago Ave. near 50th St., to R. Levine & Co., 822 West 70th St. Archts. est. $1,500,000.

Ill., Chicago—THEATRE and STORE—Marks Bros., 1641 West Roosevelt Rd., general, masonry and carpentry contract 3 story and basement, 163 x 200 ft., 4104-4122 West Madison St., to Longacre Eng. & Constr. Co., 127 North Dearborn St. Archts. est. $1,500,000.

Wis., Kenosha — CLUBHOUSE and MERCANTILE—Lindl & Schutte, archts., 82 Wisconsin St., Milwaukee, 3 story and basement, 84 x 132 ft., brick and concrete, Congress St., to Immel Constr. Co., Dana Bldg., Fond du Lac, $163,800. Noted Mar. 11.

Wis., Kenosha — STORE and APARTMENT — L. Plous, 152 Market St., 3 story and basement, 62 x 125 ft., brick, concrete and terra cotta, plain foundation, Prairie St., to D. Camosy, 252 North Newell St. Archts. est. $150,000. Noted Feb. 4.

Ia., Mason City—Y. M. C. A., C. H. MacNider, chn. Building Comn., 4 story, 128 x 160 ft., rein.-con., brick and limestone, to Madsen Constr. Co., 618 Natl. Bldg., Minneapolis, Minn., $162,637. heating and plumbing, to P. J. Gallagher, Faribault, Minn., $37,291. This corrects report in Mar. 4th issue.

Mo., St. Louis — APARTMENTS — Missouri Realty & Constr. Co., 6117 Osage Blvd., will build group 2 story and basement, brick and concrete, North Market St. and Burd Ave., by day labor. $330,000.

Mo., St. Louis — CLUBHOUSE, etc. — Osage Country Club, c/o N. Cunliff, pres., 110 North 7th St., brick and concrete clubhouse, incl. 18 hole golf course, tennis court, swimming pool, etc., on 120 acre tract at Big Bend Rd., St. Louis Co., to W. H. Smith N. Cunliff Co., 110 North 7th St.

Mo., St. Louis—HOTEL—L. C. Penningroth, c/o Forest Park Hotel, West Pine Blvd. and Euclid Ave., 7 story and basement, rein.-con., brick, and stone addition, Buckingham Court, to W. H. Smith-N. Cunliff Co., 110 North 7th St. Archts. est. $400,000.

Ark., Hot Springs — HOTEL — J. W. Howe, et al, c/o Rockafellow Hotel, general contract 6 story and basement, 60 x 110 ft., rein.-con., brick, steel and terra cotta, Central and Canyon Sts., to J. H. Leveck & Son, St. Marys St., Little Rock, $125,900; heating and plumbing, to Shaws Gas & Plumbing Shop, 608 La St., Little Rock, $31,835. Noted Feb. 18.

Tex., San Antonio—JAIL—Bexar Co., c/o A. McCloskey, judge, 2 story, 120 x 160 ft., rein.-con. and brick addition, Cameron St. between Houston and Commerce Sts., to C. Brient, 312 Builders Exch. Bldg., $195,972. Noted Feb. 4.

Wash., Seattle — APARTMENT — H. Smith, c/o E. A. Roberts, archt., Burke Bldg., 4 story and basement, 100 x 103 ft., 4006 Brooklyn Ave., to Walter & Brady, Hodge Bldg., $165,000.

Calif., Los Angeles — APARTMENT — W. K. Newbow, 5 story and basement, 65 x 120 ft., brick, West 1st St., to Cooper & Farber, Chapman Bldg., $155,000.

Calif., Los Angeles—HOTEL—Callahan & Sons (designers and contractors), Edwards-Wildey Bldg., will build 5 story and basement, 100 x 150 ft., brick and steel, 8th St. and Normandie Ave. Owner's name withheld.

Calif., Los Angeles—SALESROOM and LOFT—M. Jacobowsky, 3756 West 1st St., 10 story and basement, steel and rein.-con., Vermont Ave. and Santa Monica Blvd., to Fidelity Constr. Co., Hill-Street Bldg., approximately $750,000.

Calif., San Francisco—HOTEL—A. Tilden, c/o C. J. Hladik, archt., Monadnock Bldg., 8 story and basement, steel and concrete, Taylor St. near O'Farrell St., to Lacey & Vukicevich, 708 Hearst Bldg., $250,500. Noted Dec. 17.

Ont., Toronto—APARTMENT—Bloor St. George Realty Co., 357 Bay St., general contract 4 story and basement, 300 room, rein.-con., brick and steel, plain foundation, Bloor and St. George Sts., to Carswell Constr. Co., 58 Wellington St. E. Archts. est. $750,000. Noted Mar. 11.

B. C., Vancouver—STORE—Hudson Bay Co. Ltd., Granville and Georgia Sts., 6 story and basement, 120 x 142 ft., rein.-con., tile and terra cotta, plain foundation, Granville and Georgia Sts., to Carter-Halls-Aldinger Co. Ltd., Bekin Bldg. $1,000,000.

Buildings—Industrial

Proposed Work

Mass., Charlestown (sta. Boston)—FACTORY—A. D. Donald, 100 Arlington Ave., plans reconstructing factory, destroyed by fire. $50,000. Engineer and architect not selected.

R. I., West Warwick (Mail Warwick)—DYEHOUSE—Crompton Co., having plans prepared by K. C. Richmond, engrs. and archts., 526 Grosvenor Bldg., Providence, brick dyehouse. $45,000.

N. Y., Cuba—REPAIR SHOP and SERVICE STATION—C. B. Hedges plans service station. $45,000.

Pa., Nazareth—FACTORY—Bates Valve Bag Co. plans 1 story, 100 x 160 ft., steel and concrete factory. $40,000. Engineer and architect not selected.

N. C., Dallas — BROOM FACTORY — Joseph Lay Co. R. E. Leslie, vice-pres. and genl. mgr., Portland, Ind., plans broom factory, here. $50,000-$75,000.

Fla., Fort Myers—GAS PLANT—Election Mar. 23, $140,000 bonds, gas plant.

O., Cleveland—FACORY—Rickersberg Brass Co., D. L. Rickersberg, secy.-treas., East 37th St. and Perkins Ave., having plans prepared by Christian, Schwarzenberg & Gaeda, 1900 Euclid Bldg., brick, steel and concrete factory. $150,000.

Ind., Muncie — FACTORIES — Warner Gear Co., Clerk and Penn Sts., plans 2 factories, West Muncie. $500,000.

Mich., Dearborn — FACTORY — Stout Metal Airplace Div. Ford Motor Co., having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, 1 story, rein.-con., brick and steel factory with hangar, plain foundation, at Ford Airport, here.

Mich., Detroit—PAPER PLANT—Consolidated Paper Co., 1338 Clay Ave., plans rein.-con., brick and steel, plain foundation, Telegraph Rd. $400,000. Private plans.

Mich., Detroit—STOVE WORKS—Detroit Stove Works, East Jefferson Ave., plans addition 2 story and part basement, 82 x 174 ft., rein.-con., brick and steel, plain foundation, East Jefferson Ave. $50,000.

Mich., Ypsilanti—CLOTH PLANT—Ford Motor Co., Highland Park, having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, 1 story, 350x1,000 ft., rein.-con., brick and steel, plain foundation, here.

Ill., Chicago—PLANT—Niermann Table Co., 72nd St. and Maryland Ave., plans 1 story, 125 x 575 ft., rein.-con. and brick, 95th St. and Cottage Grove Ave. Sessions Eng. Co., 208 South La Salle St., engrs. Architect not selected. Noted Jan. 7.

Wis., Knowlton — PLANT, etc. — Consolidated Water Power & Paper Co., G. W. Mead, pres., Wisconsin Rapids, plans rein.-

Buildings—Industrial (Continued)

con., brick and steel, hydro-electric plant and dam on Wisconsin River, near here. Engineer not selected.

Wis., Madison — PLANT and WAREHOUSE — Madison Fruit & Produce Co., 927 East Washington Ave., plans 2 story and basement, rein.-con., brick and steel, plain foundation, Atwood St. $40,000. Engineer and architect not selected.

Wis., Port Washington—STEAM HEATING PLANT — Central Steam Heat & Power Co., c/o E. E. Dillon, engr., Central Bldg., Madison having plans prepared rein.-con., brick and steel heating plant, here. $60,000.

Wis., Racine—GAS PLANT—Wisconsin Gas & Electric Co., 305 6th St., (affiliated with Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., Milwaukee), making plans enlarging gas plant, incl. brick and steel carbonizing plant, new building housing meter repair department, garage, storage plant, shops, and 5,000,000 to 10,000,000 cu. ft. gas holder. $500,000.

Minn., Rochester—POWER PLANT—Bd. Educ., S. L. Seamon, clk., rejected bids Feb. 2, power plant with three 204 hp. boilers, softeners, etc. $75,000. J. H. Crawford, Rochester, archt. Noted Feb. 18, under "Buildings—Educational, Religious."

Arkansas—OIL REFINERY—Simms Oil Co., Magnolia Bldg., Dallas, Tex., making preliminary plans 2,500 bbl. capacity oil refinery at Smackover, Camden or Eldorado, Ark. F. Gardner, c/o owner, ch. engr.

Tex., Amarillo — CREAMERY — Metzger Bros., c/o C. Metzger Holmes St. Rd., Dallas, having plans prepared 1 story, brick and rein.-con., Ft. Worth and Denver R. R. tracks, here. $50,000. Engineer's and architect's names withheld.

Tex., Cuero — COTTON MILL — P. M. Keller & associates plan brick, stone, steel and rein.-con. cotton mill. $250,000. Chamber of Commerce furnishes site and appropriates $20,000 towards cost. Engineer and architect not selected.

Tex., Denison—PAPER PLANT—J. Tulloch, archt., 213 M. & P. Bank Bldg., Sherman, soon takes bids 2 story, 50 x 110 ft. paper plant, brick and stone, for Denison Herald Publishing Co. $45,000.

Tex., Sipe Springs — CARBON BLACK PLANT—Diamond Black Carbon Co., having preliminary plans prepared (1st unit) carbon black plant. $100,000. Private plans.

Okla., Quinlan—POWER PLANT, etc.—City Council granted franchise to Hobson et al, Quinlan, to install and operate an electric power plant and construct power line. $75,000. Private plans.

Calif., Los Angeles—FACTORY—Castle Cottage Cheese Co., 1406 East 6th St., having plans prepared by W. D. Lee, Textile Center Bldg., 2 story, 40 x 100 ft., brick, Kohler St.

Calif., Pomona—PLANT—Interests, c/o F. O. Fernstrom, 159 Lake St., Oakland, plans (fruit wrapper) paper plant, here. To exceed $40,000.

Calif., Richmond — PLANT — Standard Sanitary Mfg. Co., 1000 Brannan St., San Francisco, plans plant additions, incl. new tunnel kilns, etc. $500,000 or more.

Calif., Salinas — PLANT — Salinas Daily Index, purchased site and plans brick or concrete publishing plant, Salinas and Alisal Sts. To exceed $75,000.

Ont., Port Colborne—NICKEL PLANT—International Nickel Co., having plans prepared plant addition. $750,000. Private plans.

Ont., Port Colborne—COKING PLANT—Canada Furnace Co. plans by-product coking plant. $500,000.

Ont., Port Colborne—FLOUR MILL—Washburn Crosby Co., Michigan and Ganson Sts., Buffalo, N. Y., plans flour mill, here. $500,000.

Bids Desired

N. Y., Rome — POWER HOUSE, etc. — Apr. 8, by Superintendent Purchase, Capitol, Albany, addition to power house, heating work, etc., sanitary work and additions to water supply, also automatic sprinklers, etc. for Rome State School, here; adv. E. N.-R. Mar. 18.

O., Cleveland — LAUNDRY — Best Laundry Serv. Co., H. Brooks, vice-pres., 7914 Platt Ave., taking bids 1 and 2 story, 60 x 140 ft., brick and steel laundry. $60,000. W. J. Wefel, 5716 Euclid Ave., archt.

Mich., Highland Park (br. Detroit) — FACTORY—R. A. Bailey, archt., 92 Peterboro St., Detroit, taking bids 1 story and part basement, 110 x 120 ft., rein.-con., stone, brick and steel, plain foundation, here, for Huggins Tool Co., 248 West Congress St., Detroit. $50,000.

Wis., Oshkosh — FOUNDRY — Wilkin-Challoner Co., Mt. Vernon and Nevada Sts., taking bids 1 story, 80 x 112 ft., brick and steel, plain foundation. $40,000.

Wis., Port Edwards — HYDRO-ELECTRIC POWER PLANT—See "Contracts Awarded."

Tex., Dallas — POTTERY — Love Field Pottery Co., c/o L. S. McKamey, pres., taking bids steel for 1 story, 66 x 220 ft., rein.-con., brick and steel, Love Field St. $75,000. Private plans.

Tex., Port Arthur—PACKING PLANT—See "Contracts Awarded."

Calif., Watsonville—CREAMERY—W. H. Weeks, archt., 369 Pine St., San Francisco, taking bids 2 story, rein.-con. and terra cotta, here, for Watsonville Creamery Co. $40,000. Noted July 16.

Bids Received

Mich., Detroit — HEATING PLANT — Dept. Pub. Wks., City Hall, general contract 2 story and basement, 50 x 99 ft., rein.-con., brick and steel, plain foundation, Mullet and St. Antoine Sts., from Martin-Krausman Co., 955 East Jefferson Ave., $81,000; mechanical work, from Drake-Avery Co., 210 State St., using Union boilers $210,152, Heinie boilers $217,152. Noted Feb. 25.

Contracts Awarded

Mass., Boston — FACTORY — L. Jolles, 174 Lincoln St., 5 story, brick addition, Lincoln St., to N. Horwitz, 294 Washington St. Archts. est. $50,000.

Mass., Chelsea (br. Boston) — REPAIR and SERVICE STATION — J. Seeley, 115 Park St., 1 story, rein.-con., to M. Slotnick, 333 Washington St., Boston. Archts. est. $50,000. Noted Dec. 10.

Mass., Gardner — FACTORY — Amer. Fibre Co., Coleman St., 2 story, brick addition, to J. Bosvert, Connors St. Archts. est. $45,000. Noted Mar. 11.

Mass., Somerville (Boston P. O.) — BAKERY PLANT—New England Bakery Co., 86 Joy St., 2 story, 75 x 100 ft., rein.-con. and brick addition, to W. Coulson Co., 1 Hayward St., Cambridge. Archts. est. $50,000.

R. I., Providence—FACTORY—Liberty Tool & Gauge Wks., 338 Bernon St., Woonsocket, 1 story, 80 x 120 ft., brick and steel, Toronto Ave., to C. I. Bigney Constr. Co., 184 Washington St. Archts. est. $40,000.

Pa., Chester — MILL — Heckman & Lemaestre, archts., Bellevue Court Bldg., lace mill, rein.-con. and brick, Clayton and 2nd Sts., to W. R. Provost, Jr., Crozer Bldg., for Chester Lace Mills. Noted Jan. 21.

Pa., Nazareth — FACTORY — Kraemer Hosiery Co., 1 story, 100 x 220 ft., concrete, brick and steel, to H. K. Ferguson Co., 2820 West Park Blk., Cleveland, O., approximately $40,000.

Pa., Phila.—MANUFACTURING—Ballinger Co., archts., 12th and Chestnut Sts., 1 story and basement, 124 x 783 ft., rein.-con., brick and steel, plain foundation, Aramingo Ave., Tulip and Sanger Sts., to Wark Co., 1600 Walnut St., for J. W. Watson Co., 24th and Locust Sts. Est. cost $300,000. Noted Jan. 14.

Pa., Phila.—MILL—Helling Silk Dyeing Co., 9th and Buttonwood Sts., 3 story and basement, 33 x 139 ft., rein.-con., brick and steel addition, plain foundation, Delaware and Howell Sts., to J. L. Lawley, 1615 Spruce St. Archts. est. $40,000.

Pa., Phila. — FACTORY — R. McNeill, 2347 North Reese St., 4 story and basement, 60 x 100 ft., rein.-con. and brick, plain foundation, 17th and Cambria Sts., to Murphy Quigley Co., 1524 Sansom St. Archts. est. $150,000.

Pa., Phila. — BOTTLING PLANT — G. Schmidt & Sons, Inc., 2nd and Edwards Sts., 2 story, basement and mezzanine, irregular shaped, rein.-con. and brick, 2nd and Edwards Sts., to White Constr. Co., Jefferson Bldg.

Pa., Pittsburgh—STEEL PLANT—McKee Oliver, Inc., Oliver Bldg., general contract 1 story, 100 x 200 ft., brick and steel, West Carson St., to Austin Co., Union Trust Bldg. Archts. est. $40,000.

Pa., Spring City—MILL—F. Muhlenberg, archt., Ganster Bldg., Reading, 3 story and basement, 83 x 90 ft., rein.-con. and brick, concrete foundation, here, to White Constr. Co., Jefferson Bldg., Phila. Archts. est. $60,000.

Pa., Wilsonboro—PRINTING PLANT—Mack Printing Co., Easton, 1 story and basement, 128 x 302 ft., rein.-con. and brick, plain foundation, Northampton St. between 19th and 20th Sts., to Central Constr. Co., 17th and Chestnut Sts., Harrisburg.

Ind., Bedford—FACTORY—Model Baking Co., 1 story, 85 x 120 ft., brick and steel factory, to Bedford Steel & Constr. Co., Bedford. Archts. est. $40,000.

Wis., Milwaukee — FACTORY — Cozy Comfort Shoe Co., 1701 Richards St., 1 story, 57 x 120 ft., brick and timber top addition, to Bentley Bros., 808 South Pierce St. Archts. est. $40,000.

Wis., Port Edwards — HYDRO-ELECTRIC PLANT — Nekoosa-Edwards Paper Co. will build 30 x 50 ft., brick and steel power plant, by day labor. E. P. Gleason, c/o owner, engr.

Ia., Marshalltown — FACTORY — Fisher Governor Co., 1 story, 60 x 60 ft., concrete and brick factory, to C. F. Reimer Co., Marshalltown. Archts. est. $40,000. Noted Mar. 11.

Mo., St. Joseph—BAKERY—A. J. Crigler, Alexander Apartments, 2 story, 120 x 150 ft., rein.-con. and brick, 23rd and Frederick Sts., to P. L. Buddy, 501 Main St. Archts. est. $125,000. Noted Dec. 17.

Mo., St. Louis—REPAIR and SERVICE SHOP—Hudson-Frampton Motor Car Co., 4517 Delmar Blvd., 1 story and basement, 70 x 242 ft., rein.-con., brick and steel, Enright St., to B. J. Charlesville Building & Investment Co., 114 North 7th St. Archts. est. $100,000.

Mo., St. Louis — QUARTZ PLANT — Phila. Quartz Co., 121 South 3rd St., Phila., Pa., 1 story, 51 x 201 ft., concrete, Geraldine St., here, to Fruin Conlon Constr. Co., Merchants Laclede Bldg., St. Louis. Archts. est. $40,000.

Mo., Springfield — CREAMERY — Merchants Creamery Co., 536 Livingston St., Cincinnati, O., 1 story, 100 x 150 ft., rein.-con. and brick, 525 West Commercial St., to S. E. Dolls, 530 North Lynn St. Archts. est. $100,000.

Tex., Port Arthur—PACKING PLANT—Zummo Packing Co., c/o F. Z. Zummo, pres., will build new packing plant, by day labor. $60,000. Private plans.

Ariz., Douglas — PLANT, etc. — Phelps-Dodge Corp., copprell and roaster buildings, and reconstructing 3 furnace boiler plant, etc., to Dwight P. Robinson & Co., Inc., 125 East 46th St., New York City, N. Y. Engrs. est. to exceed $1,000,000.

Que., Chelsea—POWER PLANT—International Paper Co., 100 East 42nd St., New York City, 3 generators, transformers, etc. to Westinghouse Electric Co., Hamilton, $1,250,000.

Buildings—Educational, Religious

Proposed Work

Mass., Arlington (br. Boston)—SCHOOL—Town, School Com., plans 2 story and basement, brick, Foster Lot. $150,000. Engineer and architect not selected.

Mass., Greenfield — SCHOOL — Town, School Bd., Town Hall, plans school Petty's Plain. $150,000. Engineer and architect not selected.

R. I., Central Falls — CHURCH and RECTORY—St. Mathews Roman Catholic Parish, W. A. Hickey, bishop, plans 1 and 2 story church and rectory, Dexter St. To exceed $150,000. Engineer and architect not selected.

Conn., New Britain—SCHOOL—St. Andrews Lithuanian Church, E. V. Grikis, pastor, 396 Church St., plans school, Church St. $150,000. Engineer and architect not selected.

Conn., New Canaan—HIGH SCHOOL—Town, W. B. Simon, chn., having plans prepared by J. N. Pierson & Sons, 200 Jefferson St., Perth Amboy, N. J., 2 story and basement, brick and steel high school. $150,000.

N. Y., Douglaston (Ind. sta. Flushing)—SCHOOL—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn. addition to P. S. 94, brick, steel and stone, plain foundation, Lafayette Pl. $150,000.

N. Y., Ebenezer—SCHOOL—Town plans to raise $150,000, addition to school.

N. Y., Elmhurst (Ind. sta. Flushing)—SCHOOL—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, engr. and archt., Flatbush Avenue extension and Concord St., Brooklyn, P. S. 127, brick, steel and stone, plain foundation, 25th St., here. $725,000.

N. Y., Greenwich — SCHOOL — Voted $195,000 bonds, rein.-con. and brick, plain foundation, Main St., for Bd. Educ. Total $225,000. Tooker & Marsh, 101 Park Ave., New York City, engrs. and archts. Noted Feb. 11.

N. Y., Hamburg—CHURCH—Methodist Episcopal Church plans church. $150,000.

N. Y., Jamaica—SCHOOL—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, engr. and archt., Flatbush Ave. extension and Concord St., Brooklyn, addition to P. S. 45, brick, steel and stone, plain foundation, 150th St. and Sutter Ave. $450,000.

N. Y., New York — GYMNASIUM and STADIUM — Bd. Educ., 500 Park Ave.,

DAM—SEDALIA, MO.

Bids were opened by city for Spring Fork Dam (A) Cook-O'Brien Co., Railway Exchange Bldg., Kansas City, (awarded contract); (B) C. L. Johnson, Warrensburg; (C) A. A. Davis & Co., Commerce Trust Bldg., Kansas City; (D) Pioneer Construction Co., Kansas City; (E) A. Phelps & Sons, Knoxville, Ia.; T. H. Johnson Construction Co., $153,195, Sedalia; H. H. Carrothers, Kansas City. $159,600 The unit bids of the lowest four and highest bidders are as follows:

	A	B	C	D	E
128,000 cu.yd. earth excavation	$0 36	$0 50	$0 46	$0 54	$0 70
Overhaul	05	05	05	06	03
14,000 cu.yd. rock excavation	1 50	2 00	2 20	1 70	3 25
120 cu.yd. rock excavation in trenches	3 00	3 00	10 00	5 00	10 00
1,210 cu.yd. class "A" concrete	15 00	18 00	24 00	17 00	22 00
190 cu.yd. class "B" concrete	14 50	17 00	24 00	17 00	18 00
52,000 lb. reinforcing steel	045	05	06	05	055
13,000 sq.yd. rip-rap	50	1 50	80	1 50	1 50
Extended totals	$107,500	$144,550	$148,400	$151,800	$197,500

Buildings—Educational, Religious (Cont.)

having plans prepared by W. H. Gompert, engr. and archt., Flatbush Ave. extension and Concord St., Brooklyn, brick, steel and stone plain foundation, at George Washington High School, Audubon Ave. $550,000.

N. Y., North Tonawanda—CHURCH—Polish Catholic Church, Oliver St., plans church, Oliver St. $160,000.

N. Y., Olean—DORMITORY, etc.—St. Bonaventures College, Olean, plans addition, incl. dormitory, etc. $1,000,000.

N. Y., Union — SCHOOLS— Bd. Educ. soon takes bids 2 twelve room schools, Colonial and Morris Aves. $340,000. F. Elsassr, 845 Broad St., Newark, engr. and archt.

N. J., Jersey City—SCHOOL—Bd. Educ. soon takes bids School 22, brick, steel and stone, plain foundation, Van Horne St. $750,000. J. T. Rowland, 100 Sip Ave., engr. and archt. Noted Nov. 19.

Pa., Berwick—SCHOOL—Bd. Educ. Berwick School Dist., plans 3 story and basement, 60 x 100 ft., brick and steel, West End. $175,000.

Pa., State College—CHURCH—Episcopal Diocese, c/o J. Frizzell, pastor, plans brick and steel church, approximately 60 x 90 ft., Main St. $169,000. Engineer and architect not announced.

Miss., Jackson—CHURCH—First Presbyterian Church purchased site and plans rein.-con., brick and stone, State St. $200,000. Engineer and architect not selected.

La., New Orleans — SCHOOL — Orleans Parish School Bd., City Hall having plans prepared by E. A. Christy, c/o owner, Allen School, concrete and stone, Nashville Ave. and Franklin St. $300,000.

O., Fairport Harbor (br. Painesville) — CHURCH—Foose, Fox & Duthie, archts., 6523 Euclid Ave., Cleveland, soon lets contract 2 story and basement, 80 x 120 ft., brick, steel and concrete, here, for St. Anthony of Padua Roman Catholic Church, Z. Demko, pastor. $150,000. Noted Feb. 11.

Ind., Indianapolis — CHURCH, etc. — Irvington Presbyterian Church, G. W. Allison, pastor, Johnson and Julian Sts., having preliminary plans prepared by Harrison & Turnock, 500 Bd. Trade Bldg., brick, steel and rein.-con. church and Sunday school. $150,000.

Ind., Indianapolis—SCHOOL—Cathedral High School, 14th and Meridian Sts., had plans prepared by A. Scherrer, 415 Indiana Trust Bldg., 2 story and basement, brick and rein.-con. school. $1,000,000.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., plans (1st unit) 2 story and basement, rein.-con., brick and steel, plain foundation, Roosevelt Field. $600,000. Engineer and architect not announced.

Mich., Hazel Park (Royal Oak br. Detroit)—SCHOOL—Hazel Park Bd. Educ., John R. and Woodward Ave., plans 2 story and basement, 24 room, rein.-con., brick and steel addition, plain foundation. Engineer's and architect's names withheld.

Illinois—HIGH SCHOOL—La Salle-Peru Twp. High School Bd., T. McCormack, supt., La Salle, takes bids about May 15, 3 story, 65 x 200 ft., and 40 x 60 ft., rein.-con., brick and stone, Charles St. between 5th and 6th Sts., in La Salle and Peru. $400,000. Childs & Smith, 720 North Michigan Ave., Chicago, archts.

Ill., East St. Louis — SCHOOLS — Bd. Educ. making preliminary plans two 3 story, rein.-con., brick and stone schools, one in Lansdowne Dist. and other in Winstanley Dist. J. S. Pidgeon, 600 St. Louis Ave., secy.

Ill., Eureka — HIGH SCHOOL — Bd. Educ. having plans prepared by Royer, Daneley & Smith, Flat Iron Bldg., Urbana, 2 or 3 story, concrete, brick and stone high school. $200,000. Noted Jan. 28.

Ill., Peoria — SCHOOL — Bd. School Inspectors postponed taking bids 3 story, 183½ x 251½ ft., rein.-con. and brick school. $375,000. Noted Jan. 28.

Wis., La Crosse—THEATRE—La Crosse Theatres Co., Rivoli Bldg., plans 3 story and basement, brick, rein.-con. and steel theatre. $150,000. Engineer and architect not selected.

Wis., Manitowoc — HOTEL — Manitowoc Hotel Co., c/o G. Vitt, pres., 15th and Franklin Sts., having plans prepared by M. Tullgren & Sons, 9 Waverly Pl., Milwaukee, 6 story and basement, 92 x 120 ft., brick and concrete, plain foundation, 8th and York Sts. $300,000. Noted Jan. 28.

Wis., Milwaukee—WAREHOUSE—Leenhouts & Guthrie, archts., 424 Jefferson St., takes bids about Mar. 15, 5 story, 44 x 177 ft., and 55 x 117 ft., brick and concrete, plain and wood pile foundation, South Water St., for Milwaukee Storage Co., c/o architects. $150,000.

Wis., Oshkosh — THEATRE — Saxe Amusement Enterprises, 530 Grand Ave., Milwaukee, plans 2 story and basement, brick and concrete theatre, here, $300,000; and remodeling existing opera house $100,000. Engineer and architect not selected.

Wis., Stevens Point — SCHOOL — Bd. Normal Regents, W. J. Kittle, secy., Madison, having plans prepared by A. Peabody, State Capitol, Madison, 2 or 4 story, rein.-con., brick and steel, plain foundation at State Normal School, here. $150,000.

Wis., Wausau—CHURCH—First Presbyterian Congregation, P. Erickson, pastor, 408 Grant St., receiving competitive sketches 2 story and basement, stone and brick, plain foundation, 4th and Grant Sts. $200,000. Engineer and architect not selected.

Ia., Mechanicsville—SCHOOL—Bd. Educ. having preliminary plans prepared by W. J. Brown, Bever Bldg., Cedar Rapids, 3 story, rein.-con., brick and stone school. $150,000.

Minn., Columbia Heights (Minneapolis P. O.)—SCHOOL—Bd. Educ., G. R. Warren, clk., 4144 5th St. N. E., Minneapolis, rejected bids Mar. 4, 3 story and basement, rein.-con., brick and stone school, here. $250,000. Will readvertise. Noted Nov. 11.

Neb., Grand Island—CHURCH—J. A. Duffy, bishop, Catholic Church, rejected bids Mar. 3, brick and stone church. $200,000. Brinkman & Hagan, Emporia, Kan., archt. Noted Feb. 25.

N. D., Grand Forks — SCHOOLS — Bd. Educ. having plans prepared by J. B. de Remer, Security Bldg., 62 x 67 ft. and 75 x 95 ft. rein.-con., brick and stone additions, each 2 story. $175,000. $150,000 bonds voted for same.

Tex., Abilene — ADMINISTRATION — Abilene Christian College c/o B. Baxter & J. C. Reese, vice-pres., plans brick, stone, steel and rein.-con. administration building, incl. auditorium, 2,000 to 2,500 seating capacity. $150,000. Engineer and architect not selected.

Tex., Wichita Falls — CHURCH — St. John's Baptist Congregation, c/o W. K. Curry, (c) 301 Park, having preliminary plans prepared by D. D. Swindle, 317 North Texas Bldg., Dallas, 2 story, brick and stone church. $150,000.

Calif., Gilroy — CHURCH — St. Marys Catholic Church, R. J. Hennessy, pastor, had plans prepared by C. H. Jensen, Santa Fe Bldg., San Francisco, rein.-con. church. $150,000.

Calif., Huntington Park (br. Los Angeles)—SCHOOL—Huntington Park Grammar School Dist., plans fireproof school and auditorium additions. To exceed $250,000. A. W. Angel, 3400 East 5th St., Los Angeles, archt. Noted Mar. 11.

Calif., Los Angeles—HIGH SCHOOL—City of Los Angeles School Dist. having plans prepared by Dodd & Richards, Brack-Shops Bldg., Washington High School, fireproof, 108th St. $500,000.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ. having plans prepared by Dodd & Richards, 905 Brack-Shops Bldg., new high school buildings, South Normandie Ave. and 108th St. $550,000.

Calif., Mountain View—SCHOOL—Plans new election $205,000 bonds, gymnasium and 2 new grammar schools, for Mountain View High and Grammar School Dists. Noted Nov. 26. Former election defeated.

Calif., Redding — HIGH SCHOOL — Shasta Union High School Dist. having plans prepared by Young & Allen, Union Bldg., Stockton, fireproof high school. $375,000 bonds voted. Noted Dec. 31.

Calif., San Mateo — HIGH SCHOOL — Voted $600,000 bonds, purchasing present high school plant for use as junior high school and erecting new high school, for San Mateo Junior College & Union High School Dist. Noted Nov. 19.

Ont., Toronto — CHURCH — Hill Dist. Presbyterian Church, 2 St. Clair Ave. E., plans 1 and 2 story and basement, rein.-con., stone, brick and steel, plain foundation, De Lisle Ave. $175,000. Engineer and architect not selected.

Ont., Toronto—SCHOOL—Bd. Educ. having plans prepared by C. E. Dyson, 155 College St., replacing present school with 2 story and basement, 9 room, rein.-con., brick and steel, plain foundation, Brant St. $150,000.

Que., Montreal—SCHOOLS—Protestant Bd. School Comrs., 36 Belmont St., having plans prepared by D. R. Brown, 285 Beaver Hall Hill, and G. Thompson, 65 McGill College Ave., 3 school additions. $400,000.

Bids Desired

Mass., Melrose (Ind. br. Boston) — SCHOOL — Mar. 20, by City, City Hall, 2 story and basement, brick and steel, 1st St. $200,000. C. R. Greco, 11 Beacon St., Boston, archt. Noted Feb. 18.

N. Y., Corning—HIGH SCHOOL—Mar. 30, by Bd. Educ. brick, steel and stone, plain foundation, Kingsburg Ave. $350,000. Palmer Rogers, 101 Park Ave., New York City, engr. and archt. Noted Feb. 11.

Pa., Berwick—CHURCH—Mar. 22, by First Presbyterian Church and J. C. Fulton & Son, archts., Uniontown, 1 and 2 story and basement, irregular shaped church. $200,000. Noted Jan. 7.

Pa., Hazleton—SCHOOL—Apr. 6, by D. T. Evans, secy. School Dist., 3 story and basement, 250 x 250 ft., brick and Indiana limestone school. $500,000. J. J. Nesbitt, 213 Vermont Ave., Atlantic City, N. J., heating engrs. Lawrie & Green & Co., 116 Locust St., Harrisburg, archts. Noted Oct. 15.

Pa., New Phila.—CONVENT—G. C. Freeman, archts., 6th Court Sts., Reading, taking bids 3 story and basement, 25 x 84 ft., 56 x 56 ft., 34 x 88 ft., rein.-con., brick and steel, concrete foundation, here, for Sacred Heart Roman Catholic Church, Silver Creek. $150,000. Noted Sept. 3.

Ind., Greensburg—CHURCH—Mar. 26, by First Methodist Episcopal Church, A. Whitman, pastor, 311 North Broadway, brick and steel church. $150,000. H. Foltz, 843 Lemcke Ave., Indianapolis, archt. Noted Dec. 31.

Mich., Detroit—ENGINEERING—Malcolmson & Higginbotham, archts., 1217 Griswold St., taking bids 2 and 3 story and basement, 140 x 217 ft., rein.-con., brick and steel, plain foundation, Livernois Ave., for University of Detroit. Noted Dec. 3.

Minn., Duluth—SCHOOL—Apr. 1, by C. A. Bronson, clk. Bd. Educ., 226 North 1st Ave., 2 story and basement, 71 x 125 ft., rein.-con., brick, stone and steel addition, and remodeling present school, 1st St. $200,000. Holstead & Sullivan, 607 Palladio Bldg., archts. and engrs.

Neb., Lincoln—UNIVERSITY—Mar. 26, by D. P. Wilson, archt., Lincoln, 2 story and basement, brick university building, campus, for University of Nebraska. $175,000.

Buildings—Educational, Religious (Cont.)

Neb., Omaha—SCHOOL—Mar. 25, by M. E. Bird, secy. Bd. Educ., City Hall, 2 story and basement, rein.-con. and brick, 45th and Hamilton Sts. $190,000. N. P. Brigham, Kneeline Bldg., W. C. Steinbaugh, Brandeis Theatre Bldg., also F. W. and E. B. Clarke, World Herald Bldg., archts.

S. D., Aberdeen—CHURCH—Mar. 30, by First Presbyterian Church, c/o C. W. Leighty and L. J. Voltz, 42 x 100 ft., rein.-con., brick and stone church. $150,000. G. F. Fossum, 319 Van Slyke Bldg., archt. Noted Feb. 25.

Calif., Los Angeles—COLLEGE—A. C. Martin, archt., Higgins Bldg., taking bids 2 story, 120 x 250 ft., rein.-con. and brick, 3rd and Detroit Sts., for Roman Catholic Archbishop of Los Angeles. $300,000. Noted Jan. 28.

Calif., San Francisco—SCHOOL—Mar. 24, by Bd. Pub. Wks., general contract West Portal School, fireproof, Taraval St., for City and San Francisco Co. $156,000. J. Reid, Jr., city archt.

Bids Received

Mass., Walpole—HIGH SCHOOL—Town, F. L. Mansur, supt. schools, 2 story and basement, brick and steel, from Greany & Sherry, 827 Davol St., Fall River, $372,500. Noted Feb. 18.

Conn., Stamford—SCHOOL—City, C. H. Martin, school com., 3 story and basement, brick and steel, Lockwood Ave., from L. Keil, North Harlem Ave., Ossining, N. Y., $164,000. Noted Feb. 25.

Pa., West Pittston (Pittston P. O.) — HIGH SCHOOL — West Pittston School Dist., general contract 2 story and basement, 50 x 300 ft. high school, from H. Marlander, 167 Barney St., Wilkes-Barre, $231,000. Noted Feb. 25.

O., Kent—TRAINING SCHOOL—State Normal School, 2 story and basement, brick, steel and concrete, from V. W. Surber, 109 North Union St., Akron, $264,000. Noted Feb. 18.

Mich., Detroit—SCHOOL—Bd. Educ., C. A. Gadd, bus. mgr., 1354 Bway., general contract 2 story and basement, rein.-con., brick and steel, plain foundation, Martin and McGraw Aves., from Rosewarne McNabb & Worswick, 333 State St., $682,940. Heating from W. J. Requoldt, 524 State St., $169,000; lighting from Gray Electric Co., 627 Jones St., $39,977. Noted Feb. 11.

Wis., Milwaukee — CONTINUATION SCHOOL — A. O. Muehl, secy. Bd. Industrial Educ., 7th and Prairie Sts., structural steel for (3rd unit) 6 story and basement, 143 x 268 ft., brick, steel and concrete, plain foundation, 6th and State Sts., from Worden-Allen Co., Port Washington Rd., $84,942. Noted Feb. 18.

Minn., Minneapolis — BOTANY — Dept. Administration & Finance, Capitol, St. Paul, Mar. 4, 3 story and basement, rein.-con., brick and stone on University campus, here, general contract, from Devereaux-Olson Constr. Co., 716 11th Ave. S., $153,251. Noted Feb. 25.

Minn., Rochester—SCHOOL—Bd. Educ., S. L. Seamon, clk., general contract 3 story and basement, 64 x 244 ft., rein.-con. brick and stone school, from M. Madsen Co., 702 Natl. Bldg., Minneapolis, $187,000. Noted Feb. 18.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., general contract Lowell Grade School, 3 story, rein.-con., brick and stone, Von Phul and Linton Sts., from Hiram Lloyd Building & Constr. Co., Syndicate Trust Bldg., $245,790; heating and ventilating, from Eichler Heating Co., Ry. Exch. Bldg., $29,947. Noted Dec. 3.

Calif., Los Angeles — SCHOOL — Bd. Educ., Mar. 3, general contract Wiggins Trade School, 2 story, 120 x 250 ft., and one 10 story, 97 x 115 ft., rein.-con., from W. E. Warne, Rives-Strong Bldg., $469,695. Noted Feb. 25.

Calif., Pasadena — SCHOOL — Pasadena Junior High School Dist., general contract rein.-con. addition to Central and Oak Knoll School, from United Building & Finance Co., 1262 North Fair Oaks Ave., Pasadena, $107,300. Noted Feb. 25.

Contracts Awarded

Mass., Chelsea (Boston P. O.)—CHURCH—First Church Christ Scientist, J. C. Taylor, chn. com., 2 story and basement, 40 x 55 ft., brick and stone, Cary Ave. and Tudor St., to J. C. Pitcher, 46 Cornhill St., Boston. Archts. est. $150,000.

Mass., Clinton — CHURCH — First Methodist Episcopal Church, Walnut St., 2 story and basement, 65 x 115 ft., stone, Walnut St., to L. D. Russell, 438 High St. Archts. est. $150,000. Noted Feb. 4.

Mass., Orange — SCHOOL — Bd. Educ., brick, steel and stone, school, plain foundation, to Taylor-Wheeler Corp., Athol. Archts. est. $200,000. Noted Feb. 25.

Mass., Quincy (Ind. br. Boston)—HIGH SCHOOL—City, Pub. Building Dept., City Hall, Junior High School, 3 story and basement, 82 x 134 ft. and 70 x 170 ft., brick, steel and stone, Hancock St., to Simpson Bros. Corp., 77 Summer St., Boston, $370,117. Noted Mar. 11.

Mass., Roxbury (Boston P. O.)—SCHOOL—City, School House Dept., Boston, 2 story and basement, brick addition, Lewis Dist., Walnut Ave. and Paulding St., here, to Leighton-Mitchell, 99 Chauncy St., Boston, $246,740.

Mass., Somerville (Boston P. O.)—CONVENT — St. Benedicts Roman Catholic Church, W. J. Foley, pastor, 25 Arlington St., 3 story and basement, brick and stone, Franklin St., to Capobianco Constr. Co., 46 Cornhill St., Boston. Archts. est. $155,000.

Pa., Erie—SCHOOL—Bd. Educ., R. S. Scobell, bus. mgr., 2 story and basement, brick, steel and concrete addition, Wayne St., to Continental Constr. Co., Commerce Bldg. Archts. est. $150,000.

Pa., Moylan—ACADEMY—Sisters Notre Dame, 3 story and basement, 77 x 92 x 188 ft., steel, brick and stone academy and arcade, plain foundation, to Murphy Quigley Co., 1524 Sansom St., Phila. Archts. est. $400,000.

Pa., Phila.—SCHOOL—Bd. Educ., 19th and Chestnut Sts., J. D. Cassell, supt. Buildings, 3 story attic and basement, 109 x 165 ft., rein.-con. and brick, plain foundation, 6th and Master Sts., general contract, to W. Langborne, 10 South 18th St., $419,024; heating, to D. J. Keating, 2042 Rittenhouse St., $43,231. Noted Feb. 25.

Pa., Pittsburgh — CATHEDRAL — St. Pauls Cathedral, 5th Ave. and Craig St., general contract 2 and 3 story and basement, irregularly shaped, 5th Ave. and Craig St., to Duquesne Constr. Co., Cypress and Aspen Sts. Archts. est. $200,000.

La., Baton Rouge — HIGH SCHOOL — East Baton Rouge Parish School Bd., 3 story high school, to Caldwell Bros., 816 Howard Ave., New Orleans, $468,000; plumbing and heating, to C. A. Hunter, Alexandria, $41,107. Noted Jan. 21.

Ind., Bloomington — SCHOOL — School Trustees, G. F. Holland, pres., general contract 2 story, brick, steel and rein.-con. grade school, to L. Colvin, 16th and Meridian St., Indianapolis, $125,000. Noted Feb. 25.

Mich., Detroit—MEDICAL COLLEGE—Bd. Educ., 1354 Bway. Ave., general contract 6 story and basement, 65 x 115 ft., rein.-con., brick and steel, plain foundation, Mullet and St. Antoine Sts., to Martin-Krausman Co., 955 East Jefferson Ave., $248,600. Noted Mar. 11.

Ill., Evanston—AUDITORIUM—Northwestern University, general contract 8 story, 75 x 202 ft. auditorium, to R. C. Wieboldt Co., 1534 West Van Buren St., Chicago. Archts. est. $650,000.

Ill., Polo—HIGH SCHOOL—Bd. Educ., general contract 2 story and basement, 80 x 110 ft., concrete, brick and stone high school to Savanna Constr. Co., Savanna, $133,970; plumbing and heating, to Klein & Heckman, Dixon, Ill., $43,500.

Ia., Des Moines — ATHLETIC FIELD HOUSE — Drake University, 25th St. and University Ave., general contract 3 story, 150 x 212 ft., concrete, brick and steel, to C. Weitz Sons, 713 Mulberry St., $155,000; plumbing and heating, to Pothoff & Rosene Co., 1326 Grand St., $27,074. Noted Jan. 28.

Minn., Minneapolis — SCHOOL — Bd. Educ., G. F. Womrath, bus. supt., 305 City Hall, general contract 3 story and basement, rein.-con., brick and stone addition, 14th St. and Spruce Pl., to L. E. Brophey & Co., 531 Lyndale Ave., $98,000. Noted Mar. 11.

Mo., St. Louis—CHURCH—H. P. Hess, archt., 1237 North Taylor Ave., general contract 2 story and basement, 60 x 164 ft., rein.-con., brick and stone, Carter and Marcus Aves., to H. Kissel & Son, 4107 West Florissant Ave., for St. Engelberts Parish, c/o A. J. Von Brunn, pastor, 4740 Carter Ave. Archts. est. $200,000. Noted Feb. 18.

Nev., Reno—CHURCH—Trinity Memorial Church, c/o E. T. Brown, pastor, rein.-con. church, here, to R. S. Schaedler, 666 California St., $155,500.

Calif., Los Angeles — SCHOOL — Bd. Educ., general contract 17th St. School, 2 story, brick, Georgia and 17th Sts., to J. F. Kobler, 932 South Rimpau Blvd., $102,678. Noted Mar. 4.

Calif., San Gabriel—DORMITORY—California Christian Home, 2 story and basement, brick, to Sherer & Son, 1880 East Anaheim Rd., Long Beach, $165,000.

Federal Government Work

Proposed Work

Ind., Fort Wayne — Remodeling — Treas. Dept. at office Supervising Archt., will let remodel and enlarge U. S. Post Office and Court House, here. Any bids received on Mar. 17, will be returned unopened. Project abandoned. Noted Mar. 4.

Bids Desired

Pa., McKeesport—Remodeling—Apr. 1, by Treas. Dept. at office Supervising Architect, Wash., D. C., remodeling U. S. Post Office, here; adv. E. N.-R. Mar. 18.

Wis., Milwaukee—Foundation Pier—Mar. 31, by Superintendent Lighthouses, 197,000 lb. reinforcing for rein.-con. in foundation pier at Milwaukee Northbreakwater; adv. E. N.-R. Mar. 18.

Wis., Sheboygan—Driveway—Apr. 2, by Treas. Dept. at office Supervising Architect, driveway at U. S. Post Office, here.

Iowa—Earthwork—Apr. 6, by Secretary Mississippi River Comn., 1311 International Life Bldg., St. Louis, Mo., about 180,000 cu.yd. earthwork by hydraulic method in Iowa River-Flint Creek Levee Dist. 16, here; adv. E. N.-R. Mar. 18.

Nebraska and Wyoming—Turbine, etc.—Apr. 20, at office Bureau Reclamation, Dept. Interior, Denver, Colo., E. Mead, comr., hydraulic turbine to deliver 3,400 hp. operating at 65 ft. head, etc., for Guernsey power plant, North Platte Project; adv. E. N.-R. Mar. 18.

Tex., Galveston—Dredging—Apr. 16, by U. S. Engineers Office, dredging Sabine-Neches Waterway; adv. E. N.-R. Mar. 18.

Bids Received

Ala., Mobile—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., Mar. 15, remodeling U. S. Post Office, here, from A. C. Samford, 24 Galena St., Montgomery, $11,000. Noted Feb. 25.

Ind., Michigan—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., Mar. 12, 1 story extension and remodeling U. S. Post Office and Court House, here, from R. E. Meyer, 1901 Washington Ave., $9,700. Noted Feb. 25.

Ind., Terre Haute—Post Office—Treas. Dept., at office Supervising Architect, Wash., D. C., Mar. 10, constructing post office and court room, here, from W. MacDonald Constr. Co., Odd Fellows Bldg., St. Louis, Mo., $18,660. Noted Feb. 18.

Mich., Jackson—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Mar. 8, extension to U. S. Post Office and Court House, here, from Universal Constr. Co., Ft. Wayne, Ind., $14,700. Noted Feb. 18.

Ore., Wauna — Excavating — U. S. Engineer Office, Portland, excavating and disposing approximately 984.7 cu.yd. rock from Columbia River, here, from Pacific Bridge Co., foot East Salmon St., Portland, at $30.15 per cu.yd. (120 days).

Contracts Awarded

Calif., San Diego—Water Meter, etc.—Spec. 5165—Bureau Yards & Docks, Navy Dept., Wash., D. C., water meter, tank, equipment, etc., for Naval Operating Base (Marine Corps Base), here, to W. E. Kier Constr. Co., 813 1st Natl. Bank Bldg., $8,083 (120 days). Noted Mar. 4.

FEDERAL POWER COMMISSION

Application for Licenses and Permits

Applications

692—Penn Pub. Serv. Corp., Johnstown, Pa.—Wants license transmission line across lands of Allegheny Natl. Forest, Elk Co.

693—Town of Highlands, Macon Co., N. C.—Wants license small power project in Cullasagee River, within Mantahala Natl. Forest.

694—Broad River Power Co., Columbia, S. C.—Wants preliminary permit power project at Drehers Shoals about 12 mi. above Columbia, in Saluda River, Lexington Co.

695—Western Smelting & Power Co., Eitel Bldg., Seattle Wash.—Wants license transmission line in Beartooth Natl. Forest, Park Co., Mont.

696—Utah Light & Power Co., Salt Lake City, Utah.—Wants license power project in Upper and Lower American Fork River within Wasatch Natl. Forest, Utah Co.

Unclassified

Proposed Work

Coal Plant — Boston, Mass. — Boston & Maine R.R., North Sta., plans wharf coal plant; $500,000. F. C. Shepherd, asst. ch. engr. Architect not selected.

Park — Hingham, Mass. — Town plans park. $25,000 appropriated. Engineer not selected.

Traffic Signals—Hartford, Conn.—Hartford Electric Light Co., 266 Pearl St., making plans purchasing and installing 7 electrically operated traffic units. $40,000. W. E. Batterson, chn. Mechanical Signal Com.

Power Lines—Buffalo, N. Y.—Niagara Lockport & Ontario Power Co., Lafayette Bldg., plans extending electric system to supply town of Covington, Wyoming Co. To exceed $50,000.

Gas Main—New Jersey—Pub. Serv. Gas Co., 222 East State St., Trenton, plans 7 mi. 6 in. gas line from Princeton to Hightstown. J. H. Galt, c/o owner, engr.

Heating and Ventilating—Newark, N. J.—See "Buildings—Commercial under Contracts Awarded."

Natatorium—Singac, N. J.—Owner, c/o D. M. Ach, archt. and engr., 1 Madison Ave., New York City, soon takes bids brick and steel natatorium, plain foundation, Grand View Park, here. $125,000.

Sea Wall — Mississippi — Harrison Co. (Gulfport) voted $1,400,000 bonds, 9.5 mi. rein.-con. sea wall along beach front between Gulfport and Biloxi. H. D. Shaw, Gulfport, engr. Noted Mar. 4.

Sub-Division—Biloxi, Miss.—O. O. Carpenter, vice pres. Holmhaven-on-the-Gulf, Inc., 2800 West Beach St., Biloxi, and 360 North Michigan Ave., Chicago, Ill., soon takes bids improving 250 acre sub-division, incl. paving, curbing, sewering, sidewalks, waterworks, gas, street lights, etc., on Biloxi-Gulfport beach front between Biloxi and Gulfport. $750,000. Noted Oct. 15.

Telephone Lines, etc.—Indianapolis, Ind.—Indiana Bell Telephone Co., C. H. Rottger, pres., New York and Meridian Sts., plans extending toll lines and installing new equipment, also exchange buildings at Marion and Muncie, $50,000 each. Total $2,125,000.

Park Development—East St. Louis, Ill.—East St. Louis Park Dist., Cahokia Bldg., election Apr. 6, $500,000 bonds, developing Big Lake Park, incl. roads, walks, landscaping, etc.

Stadium—Evanston, Ill. — Northwestern University, 619 Clark St., and G. Haddon, engr., 280 Madison Ave., New York City, take bids about Mar. 26, double deck, 600 x 630 ft., 49,000 seating capacity, concrete, steel and stone, Central St. J. G. Rogers, 367 Lexington Ave., New York City, archt. Noted Jan. 28.

Wharf Improvements — Helena, Ark. — Wharf Impvt. Dist. 1, c/o E. M. Allen, chn., takes bids in March or April, rein.-con. and timber wharf, and 100 x 300 ft., brick and concrete warehouse. $400,000. W. F. Schultz, 871 Shrine Bldg., Memphis, Tenn., engr.

Swimming Pool—Ft. Worth, Tex.—Recreation Bd., c/o M. D. Evans, supt., having plans prepared by E. W. Van Slyke & Co., Reynolds Bldg., 100x150 ft., rein.-con. swimming pool and frame bath house, Sycamore Park. $55,000.

Street Lighting System—Klamath Falls, Ore.—See "Sewers."

Gravel Bunkers, etc.—Berkeley, Calif.—Acme Gravel Co., 1401 Potrero Ave., San Francisco, plans gravel bunkers and storage yards, 9th St. between Gilman St. and Cordornices Creek, here. To exceed $75,000.

Gravel Bunkers, etc.—Oakland, Calif.—Acme Gravel Co., 1401 Potrero Ave., San Francisco, plans gravel bunkers and storage yards in West Oakland Sect., here. To exceed $75,000.

Park Improvements—Palo Alto, Calif.—Plans election, $50,000 bonds, park improvements. J. F. Bxybee, Jr., city engr.

Boxing Pavilion—San Francisco, Calif.—J. Tait, Phelan Bldg., plans fireproof pavilion, 10,000 or more seating capacity, Post and Steiner Sts. $150,000.

Tunnel—San Francisco, Calif.—Bd. Pub. Wks. takes bids about May 5, constructing Sunset (Duboce) Tunnel, 4,232 ft. long (portal to portal), 25 ft. wide, 18 ft. 9 in. high above rail grade, 122,000 cu.yd. excav. (50,000 cu.yd. serpentine and sandstone and 32,000 cu.yd. sand), 24,600 cu.yd. concrete, 1,211,000 lbs. reinforcing, etc. $1,650,000. M. M. O'Shaughnessy, city engr. Noted Mar. 19, 1925.

Bids Desired

Sanitary Work, etc.—Ogdensburg, N. Y.—Apr. 7, by State Hospital Comn., Capitol, Albany, sanitary work, water supply, etc., at St. Lawrence State Hospital, here. S. W. Jones, Albany, state archt.; adv. E. N.-R. Mar. 18.

Lighting System—Avon Park, Fla.—Mar. 23, by Council, c/o W. King, mayor, lighting system on various streets.

Culverts—Georgia—See "Bridges."

Transmission Line—Arkansas—See "Contracts Awarded."

Swimming Pool—Marysville, Calif.—City Trustees taking bids concrete swimming pool. $50,000. G. C. Sellon, California State Life Bldg., Sacramento, archt. Noted Feb. 18.

Contracts Awarded

Wharf—Boston, Mass.—Lewis Wharf Co., 50 State St., superstructure timber wharf, Atlantic Ave., to Natl. Eng. Corp., 60 Federal St. Archts. est. to exceed $40,000.

Gas Line—Connecticut—Greenwich Gas Co., Greenwich, designing and constructing high pressure gas line from Stamford westward and serving Sound Beach, Riverside, Cos Cob, South Glenville and East Portchester, to Stone & Webster, 147 Milk St., Boston, Mass., approximately $600,000.

Platform Extensions—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, extending station platforms for Bway.-4th Ave. Rapid Transit R.R., Group 4, here, to Corson Constr. Co., Inc., 1440 Bway., New York City, $345,022. Noted Mar. 4.

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., subway Sect. 1, Route 102, under and along Greenwich and 8th Aves., from Bank to West 17th Sts., to Morantl & Raymond, 42 Bway., $4,160,322. Noted Mar. 4.

Culvert—Cleveland, O.—Concrete culvert in Doan Brook in Wade Park, to H. J. Scott Constr. Co., 1968 East 116th St., $44,269.

Foundation, etc. — Chicago, Ill. — R. G. Wolff, archt., 410 North Michigan Ave., foundation and excavation contract for 3 story, 135 x 225 ft., brick and terra cotta theatre, store and apartment, Irving Park Blvd. and Austin Ave., to A. Brundage, 110 South Dearborn St., for Mitchell Bros., c/o architects. Noted Mar. 4.

Lighting System — Chicago, Ill. — Bd. Local Impvts., Room 207, City Hall, street lighting system for Sects. 5-B, 6, 7, 8 and 9 of South Water St. Impvt., to U. S. A. Co., 844 Rush St., $85,975. Noted Feb. 25.

Culverts—Carroll, Ia.—See "Streets and Roads."

Grain Elevator — Minneapolis, Minn. — Hallet & Carey, 112 Chamber of Commerce, general contract grain elevator, rein.-con. and steel, 16 tank and 18 small bins, Elm St. and 5th Ave. S. E., to McKenzie-Hague Co., 1502 Nicollet Ave. Total approximately $300,000.

Golf Course—St. Louis, Mo.—See "Buildings—Commercial."

Land Development — St. Louis, Mo. — Bixby-Smith, Inc., Security Bldg., developing Osage Hills subdivision on Meramec River and Big Bend Rd., St. Louis Co., incl. concrete and asphalt streets, sidewalks, storm and sanitary sewers, waterworks, etc., to W. H. Smith-N. Cunliff Co., 110 North 7th St. Engrs. est. $1,000,000.

Transmission Line — Arkansas — Southwest Power Co., Fayetteville, will build 28 mi. 33,000 volt transmission line from Fayetteville to Forest Park, by day labor. $45,000. Private plans. W. B. Miser, asst. genl. mgr.

Heating and Plumbing—Hot Springs, Ark.—See "Buildings-Commercial."

Swimming Pool—Dallas, Tex.—City Park Bd., c/o E. B. Cauley, secy., 133 x 209 ft., rein.-con., Fair Park, to R. J. Estep & Co., 903 Praetorian Bldg., $59,600. Archts. est. $60,000.

Subway—Fresno, Calif.—Fresno Co., subway under Santa Fe R.R. tracks in McKinley Ave., 2,050 cu.yd. 1-3-5, and 100 cu.yd. 1-2-4 mass concrete, 9,000 cu.yd. excav., and 22,800 sq.ft. concrete paving, to Thompson Bros., Divisadero and G Sts., for Fresno Co. and Santa Fe R.R. Co., 80 East Jackson Blvd., Chicago, Ill. $39,837. Noted Mar. 11.

Swimming Pool, etc.—Inglewood, Calif.—Inglewood Union High School Dist., 1 story, 78 x 110 ft. frame building, incl. 50 x 75 ft., rein.-con. pool, to Jones Bros., 929 Venice Blvd., Los Angeles, $29,995.

Grand Stand—Sacramento, Calif.—State Dept. Pub. Wks., Mar. 2, general contract brick and steel grand stand, to J. S. Knapp, 601 East Main St., Turlock, $137,500. Noted Feb. 18.

Materials

Proposed Work

Road Oil — New Haven, Conn. — Soon takes bids 350,000 gal. 45% asphaltic road oil, also non asphaltic and bituminous material. Address Superintendent Streets, 80 Water St.

Cement, etc.—Brantford, Ont.—City soon takes bids 200 bbl. cement, 50 tons asphalt, 100,000 gal. road oil, 50 tons stone dust, etc. $30,000-$35,000. F. P. Adams, City Hall, engr.

Bids Desired

Cast Iron Pipe—Quincy (Boston P. O.), **Mass.**—Mar. 25, by J. J. Cosgrove, comr. Pub. Wks., 1,270 tons 20 in., 510 tons 16 in., 1,414 tons 12 in., 520 tons 10 in., 83 tons 8 in., and 8 tons 6 in. c.i. pipe, also 35 tons fittings. Metcalf & Eddy, 14 Beacon St., Boston, engrs.

Asphalt and Tar, etc.—Holyoke, Mass.—Mar. 23, by Bd. Pub. Wks., 25,000 gal. or more asphalt and tar, 26½ tons concrete, also 5,000 bbl. or more cement for road construction. J. J. Myers, City Hall, engr.

Sewer Pipe, etc. — New Haven, Conn. — Mar. 19, by City, Pub. Wks. Dept., City Hall, vitr. sewer pipe, blue stone, cement, tar oil, asphaltic oil, sewer castings and crushed stone, and furnishing and applying hot asphalt on various streets, required by city for 1 year. E. S. Nettleton, City Hall, engr.

Timber Piles—Albany, N. Y.—Apr. 2, at office Albany Port Dist. Comn., 100 State St., timber piles for bulkhead construction. F. C. Herrick, chn.; adv. E. N.-R. Mar. 18.

Structural Steel—Atlanta, Ga.—Mar. 26, by W. R. Price, purch. agt. City Hall, structural steel for two 80 ft. deck plate girder spans for underpass under tracks Southern Railway at Forest Ave. C. E. Kaufman, City Hall, engr.

Paving Blocks, etc.—Akron, O.—Mar. 22, by A. S. Helpbringer, purch. agt., 900,000 large paving blocks, 350,000 small paving bricks, 700 tons asphalt filler.

Asphalt Road Oil—Clayton, Mo.—Mar. 24, by St. Louis Co. Court, Court House, approximately 100 car loads 60-70 per cent asphalt road oil delivered at various points. R. Jablonsky, Court House, engr.

Road Oil, etc., Clayton, Mo.—Mar. 24, by R. Jablonsky, engr. St. Louis Co., Court House, 100 tank cars 60% asphalt road oil, approximately 900,000 gal. to be used during 1926.

Pipe, etc.—Toronto, Ont.—Mar. 27, by East York Twp., H. E. Goddard, purch. agt. 443 Sammon Ave., Toronto, c.i. pipe, fittings, meters and valves, pig lead, lead pipe, copper pipe, Portland cement, crushed stone, sand, gravel, lumber, etc. $50,000. G. R. Jack, 443 Sammon Ave., engr.

Bids Received

Road Oil—Arcola, Ill.—Street and Alley Comn., 10,000 gal. 80% asphalt road oil, from Ozee & Hayes, Mattoon, at $6.85 per 100 gal.; and 10,000 gal., from Standard Oil Co. at $6.88 per 100 gal. spread on streets. Noted Feb. 18.

Contracts Awarded

Binder, etc.—Mt. Holly, N. J.—Burlington Co., 2,000 gal. lignin binder, to M. R. Young, 34 Fisher Pl., Trenton, $0.134 per gal.; 6,000 tons washed pebbles, to Natl. Supply Co., Mt. Holly, $0.70; 10,000 tons slag, to Phila. Slag Co., Pennsylvania Bldg., Phila., Pa. $1; 10,000 tons 1½ in. and 2½ in. broken stone, to Lambertville Stone & Quarry Co., Lambertville, at $1.40 and $1.60, respectively; cut back asphalt, to Atlantic Refining Co., 260 South Broad St., Phila., Pa. $0.17; cold tar and hot tar, to T. Tobish, Mechanic Bldg., Trenton, at $0.154 and $0.144, respectively; slow curing oil, to Asphalt Serv. Co., 84 Bayard St., New Bruswick, $0.73 per gal.

Lumber, etc. — Harlan, Ia. — Auditor Shelby Co., 200,000 ft. Douglas fir bridge lumber, 11,750 ft. creosoted pine piling, 16,500 ft. creosoted lumber, etc., to Nebraska Bridge Supply & Lumber Co., Peters Trust Bldg., Omaha, Neb., $21,381; 3,790 ft. corrugated culvert pipe etc., to Iowa Pure Iron Co., East 8th and Elm Sts., Des Moines, $8,913. Noted Jan. 21.

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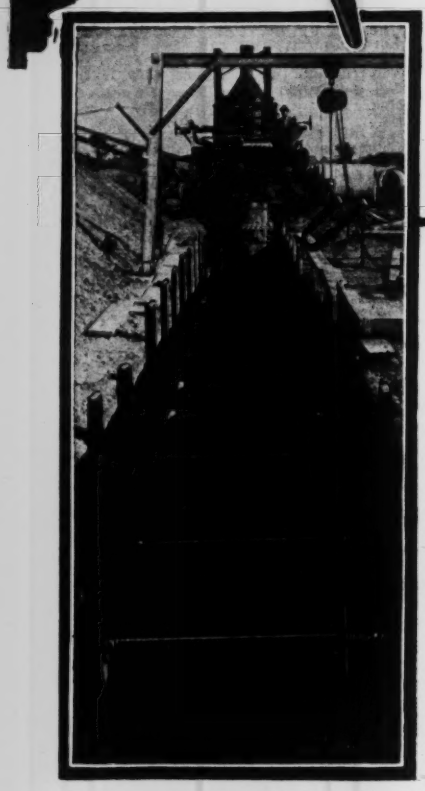

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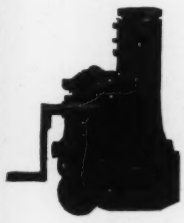

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